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Nary bomb shipment exploses in Rose- ville, Calif, switching yard Wet combustion to destroy outdated naval ammunition may be tried N May 9 13 Anderson, Warren — UC's executive v-p- Former gird star ndw competes in tough markets Jan 17 48 Anderson, Warren — UC's executive v-p- Former gird star ndw competes in tough markets N Jan 17 48 Animal Pruga Robenz (robenidine), a new approach to cocidiosis N Jan 10 41 Animal Feed DES: Fiba orders an end to use of implants in beef cattle and sheep DES: The proposed DES substitutes sus- pected of being carcinogenic DES: The proposed DES substitutes sus- pected of being carcinogenic DES: Show study of dieritypical bloods study of dieritypical bloods study of dieritypical bloods in a mimal feed are safe for consumers who eventually eat the meat and that the products actually help the animals Apr Antholices Animal Feed Antholices Antholices Animal Feed Animal Feed Antholices Animal Feed Animal	operate Radford, Va. plant and modernize					1.00	,	24	building styrene monomer plant in			-
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Wet combustion to destroy outdated naval ammunition may be tried. N Mar 21 41 Anderson, Warren — UC's executive v-p-Former grid star now competes in tough markets. Animal Drugs Robenz (robenidine), a new approach to cocicidosis N Vacine against anaplasmosis will save call live with the Peronists' says the general manager of a U.S. petrochemical film N May 30 37 Arimal Feed Robenz (robenidine), a new approach to cocicidosis N Vacine against anaplasmosis will save call live with the Peronists' says the general manager of a U.S. petrochemical film N May 30 37 Arimal Feed DES. FDA orders an end to use of implants in beel cattle and sheep DES. FDA orders an end to use of implants in beel cattle and sheep DES. FDA study of diethylesitibestori residue in beel cattle and sheep Drug produces must prove that antibiotics in animal feed are stafe for consumers produces actually reply the animals to the use of chemical film Apr 4 4 77 Antibiotics Artibiotics Phthalic carhydride capacity increase R June 20 19 We think we can live with the Peronists' says the general manager of a U.S. petrochemicals plant at Zarate R A pr 4 29 We think we can live with the Peronists' says the general manager of a U.S. petrochemicals plant at Zarate R A pr 4 29 We think we can live with the Peronists' says the general manager of a U.S. petrochemical film N May 30 37 Arigon Arimal Feed Brazil and Sages and sall for consumers and some plastics, but locally made products are more expensive than imports (table) whether they want to proceed N May 9 16 Des. SThese proposed DES substitutes suspected of being carcinogenic N May 9 16 Des. SThese proposed DES substitutes suspected of being carcinogenic N May 9 16 Des. SThese proposed DES substitutes suspected of being carcinogenic N May 9 16 Des. SThese proposed DES substitutes suspected of being carcinogenic N May 9 16 Des. SThese proposed DES substitutes suspected of being carcinogenic N May 9 16 Des. SThese proposed DES substitutes suspected of being carcinogenic N May 9 16 Des. SThese proposed DE	ville, Calif. switching yard	May	9	13	Pesticides Plant in Oruro plannedR				Austria - OEMV plant to spend \$4 million to	Duric	20	10
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dues in beef cattle N Apr 18 18 Ari — Michelangelo's Pieta repaired with help of polyester resin and that noticities in animal feed are safe for consumers who eventually eaf the meat and that the products actually help the animals N Apr 25 14 Animal Health — FDA quarantines Louisiana cattle with high hexachlorobenzene levels Apr 25 14 Animal Health — FDA quarantines Louisiana cattle with high hexachlorobenzene levels Apr 25 21 Interior Dept Apr Andea — Chemmor strengthening its patent position in dimensionally stable anodes .N Apr 4 29 Andrea — Chemmor strengthening its patent position in dimensionally stable anodes .N Apr 4 47 Antitiotics N Antitiotics N Apr 4 47 Antibiotics N N Antibiotics N N N N N N N N N N N N N N N N N	pected of being carcinogenic	May	9	16	whether they want to proceedN	Mar			natives to piston engine	Apr	18	13
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Animal Repetients — Continuation of restrictions on the use of chemicals for predator control urged by Interior Dept. Anodes — Chemnor strengthening its patient position in dimensionally stable anodes in Mar 14. Anodes — Chemnor strengthening its patient position in dimensionally stable anodes in Mar 14. Anthraguinne — BASF's process for making arribraguinne from styrene	cattle with high hexachlorobenzene levels	. Apr	25	21	amount of asbestos impurities permissible	1			Awards			
control urged by Interior Dept. Apr 4 29 Anotes — Chemnor strengthening its patient may be a control urged by Interior Dept. Apr 4 29 Anotes — Chemnor strengthening its patient may be a control urged by Interior Dept. Apr 4 47 Anthraguinnone — BASF's process for making arribraguinnone from styrene	Animal Repellents - Continuation of restric-		-		in talcum powder and other talc-con-	Mar	7	13	Jesse H. Neal Awards: Winning team's		21	5
Anodes — Chemnor strengthening its patent position in dimensionally stable anodes. N Mar 14 40 Anthraguinone — BASF's process for making arithraguinone from styrene	control urged by Interior Dept.	. Apr	4	29		ININ	1-	13	Perkin Medal to Du Pont's Theodore			
Antitraguinne — BASF's process for making arithraguinne From styrene	Anodes - Chemnor strengthening its patent	1			Raw-material shortages trim southeast		1		CairnsN	Feb	28	43
arithraquinone from styrene	Anthraguinone — BASF's process for making	1	14	40	Asia's plastics output							
Antibiotics Adomic Energy Commission Bactericides — Permite Corp.'s premixed Drug producers must prove that antibiotics Authorizes use of previously classified data surfactant system, Banish, kills mildew on	anthraquinone from styrene	Apr	4	47		Jan	10	46	В			
Drug producers must prove that antibiotics Authorizes use of previously classified data surfactant system. Banish, kills mildew on									Bactericides - Permite Corn's creminant			
in animal food are cale for consumers	Drug producers must prove that antibiotics				Authorizes use of previously classified data	1			surfactant system, Banish, kills mildew on	1		
on uranium ennoment	in animal feed are safe for consumers	3			on uranium enrichment	Jan	17	14	interior and exterior surfaces	Jan	3	35

Comments Comments Comments CDA				Butter				Montana will be did along at Contract at the			
Bacteriostats — Soapers take issue with FDA panel report on bacteriostat safety (table)	Feb	21	20	Butadiene ANIC's plant at Ravenna uses Phillips Petroleum technology B	Jan	10	40	Westvaco will build plant at Covington, Va.; expansion of existing granular carbon	Mar	28	00
Degradable PE bags from FinlandN	lan	24	39	Feedstocks: NPRA meeting — Getting a	Apr	10	46	what price carbon? — letter		10	23
Plastic grocery bags	May	16	20	PricesN		2	28	Carbon Black			
Sarges				Producers can't keep up with rapidly grow- ing demand	June	20	21	Calatrava expanding capacity at San- tander	May	9	28
Northrop Hueneme will build glass-fiber		-		Butane — Amoco will commercialize its butane		-	-	Philblack will recommend that shareholders			-
barges for Pacific Far East Line R Trouble ahead for chemical transport —	Mar	7	16	oxidation route to maleic anhydride at Joliet, III., complex	Mav	9	33	accept joint bid by subsidiaries Cities Service and Phillips Petroleum	May	16	22
	Jan	31	25	Butylene — Vistron piloting a maleic process		07	40		-		
Battelle Memorial Institute Magnesium Research Center's program to develop a				using n-butylene	June	27	40	Dow develops process to make methyl			
fluxless melting method	Jan	17	24	Rico, petrochemicals complexN	Apr	18	9	chloride and carbon dioxide from sodium chloride brine contaminated with acetic			
Sattories				•				acid	Feb	28	43
Chemical Week 300 - reports Homer Starr (tables) Feb 21-32, Apr 25-38	May	23	32	C				ICI contracts to supply liquid carbon dioxide to 8 nuclear power stations in the U.K N	lan	10	23
International Auto Show spotlights after-				Calcium Chloride				Liquid carbon dioxide plant at Freetown,			
Reynolds bows out of bauxite mining in	Apr	18	13	Allied's anhydrous flake calcium chloride	Jan	31	15	Mass., planned	May	9	17
Ghana; Kaiser looking for a new partner .	Jan	3	13	plant near Syracuse, N.Y	Mar	14	28	process recovers carbon moneyide from	Feb	04	41
3CNU,1,3,-bis(2-chloroethyl)-1-nitrosourea — Anticancer drug to be sold by Bristol				Calcium Fluoride — Thermoluminescent de- vices: new measure for radiation exposure .	June	27	35	fuel gas	Peb	21	41
Labs Beer — Liquor ingredients labeling rule could	Jan	10	41		00110	-	00	Harbor Beach, Mich., plant Caribbean — French refinery project pos-	Feb	28	19
mean switch in additives	May	16	31	Calclum Hypochlorite Joint-venture plant at Bayport, Tex R	May	2	15	sible	Apr	18	31
Behind the News — Winning team's modest trow	Feb	21	5	South African plant	Jan	24	32	Carpets			
		-		vices: new measure for radiation exposure	June	27	35	American Enka will expand its nylon filament		alam in	-
Belgium				Canada				carpet yarn capacity	Jan Feb	3	16
Automobile safety bett components plant .R Chemical makers say price controls are	Jan	17	44	Alberta: utility power plants will burn coal				Casting Magnesium: new die-casting			
hurting businessN	Apr	25	27	instead of gas	May	31	31	methods open new markets in structural applications	Jein	17	24
Dow plans HDPE plant and a polystyrene unit at Tessenderloo	June	27	37	Coal: feasibility study on piping coal-in-				Catalysis			
Marles-Kuhlmann-Wyandotte expands				oil Columbia Cellulose up for sale again;	May	2	31	Beil Labs tests on potential auto exhaust			
propylene oxide and polyether plants .R Methionine plant at AntwerpR	May Jan	31	23	tentative agreement to sell some opera-	5			catalysts, lanthanum lead manganite compounds	Feb	7	39
Methylene diphenylene diisocyanate plant				tions to Weyerhaeuser falls through Celanese still formulating specific pro-	Feb	21	18	Car makers, TEL producers say use of	. 00		0.0
at BASF's Antwerp complex	Jan	3	29	posal regarding disposition of CCC	Mar	28	22	catalytic converters will widen energy gap, cost consumers \$6 billion by '85	May	23	27
to West Germany's ARG pipeline grid	Jan	17	44	Celanese will sell ColCel to B.C. provin- cial government (79%) and the sub-				Car makers win year's reprieve	Apr	18	12
UC will build Cellosize hydroxyethyl cellu- lose unit at Antwerp	Apr	4	29	sidiary's minority holders (21%)	Apr	11	19	Detroit: Can't make it by '75; U.S. car makers raised doubts about the effectiveness of			
Benzene				Dow negotiating to tie in with Dome Petro- leum's proposed ethane pipelineN	Mar	14	12	catalytic converters	Mar	21	21
Feedstocks: NPRA meeting - Getting a				Dow and Dome may build complex in				Engelhard's new platinum-rhenium catalyst, E-601	Jan	3	32
better handle on '80 feedstock costs Futures for chemicals? — ICI's Tholen re-	Apr	11	26	Alberta	Apr	25	13	EPA hearings on emission control bring up			
vives his proposal	Apr	18	13	Foreign forecast: World chemicals head for				new controversy: Did Engelhard lose out with Chrysler because it was too aggres-			
Plans for a benzene commodity market have	Jan	24	19	brighter future — report. Albert H. Kislin (charts)	Jan	24	25	sive in promoting catalysts?	Apr	11	35
Prices N		11	22	Heavy water plant will be fully operational later this year	Ans	18	39	Ford will make ceramic substrates for cata- lytic emission-control devicesN	Feb	7	39
Prices; markets tight, say Gulf Coast users N	May	2	27	Michelin's radial tires made in Canada; US	Apr			GM says it has catalytic converter that will last life of car	June	27	11
Shortage of benzene, the raw material for				Treasury imposes countervailing duties . Oil refinery project at Come-By-Chance,	Jan	17	17	Japan Catalytic Chemical will supply the		21	11
maleic, causes tight supply Benzene Phosphorus Chlorides — Stauffer	Apr	11	23	Newfoundland, delayedN	May	2	7	know-how and the catalyst for Rohm &		9	33
ups capacity at Mt. Pleasant, Tenn.,		40	45	Polyester resins plant at Cornwall, Ont R SOAP project: Dow drops out; Du Pont and	Mar	28	34	Laporte-Davison will offer SNG catalysts .N	Feb	21	41
plant	Apr	18	15	Polymer must now decide whether they				Lead-in-gasoline rules will require use of catalytic converters for auto exhaust sys-			
Beryllium				want to proceed	Mar May	14	12	tems and will cut sales of tetraethyl lead			
Brush Wellman's Hayward, Calif. plant				Saskatchewan's potash prorationing plan:	,			and other lead alkyls Monsanto researcher Unland reports infra-	Jan	10	16
closing	June	6	29 18	Central Canada Potash seeks court test	Jan	31	19	red spectra studies detect isocyanates			
Bisphenol — Mexican plant at Cuernavaca .R Blasting — El Paso Natural Gas studying the		24	32	CCP loses another round	Feb	14	53	on the surface of noble metal catalysts. Nalco drops refining catalyst, affiliate	Feb	14	68
feasibility of using an underground nuclear				tionsN	June	13	23	Rare earths may prove as good as noble	Jan	10	17
explosion	Feb	14	27	Sulfur dumping: Treasury says Canadian sulfur is being sold in the U.S. at less than				metals in catalytic mufflers	Apr	25	43
Bleaches				fair valueN	May	2	18	Substrate problems with catalytic con- verters reported	Jan	24	14
Household bleach market takes on brighter look (chart)	Apr	25	51	Sulfur producers team up to seek new end uses	June	27	33		0001		
Liquid hydrogen peroxide, Polytex, will be				Canary Islands — Phosphoric acid project				Caustic Soda CIL chlor-alkali plant at Becancour, QueF	Jan	31	22
marketed as a household laundry bleach	Mar	14	28	proposed	May	9	27	Chlor-alkali prices	June	13	23
			-	Cancer				contract in chemical distribution pact .N	Mar	21	31
GSA stockpile sales of tin could create a				Bristol Labs will make and self 3 anticancer drugs developed by NCIN	Jan	10	41	Dow will boost its investment in Brazil	Mar Jan	7 24	33 19
financial crisis for Bolivia	Mar May	30	37 47	Carcinogenic chemicals	-			India's Standard Mills boosts capacity F	June	6	35
Bottles - Plastic bottles: National Packaging	may	30		OCAW, Nader group press for emergency measures	Feb	7	41	Indian plant at Nagda onstream	a Jan	10	46
Exposition	May	16	20 28	OSHA readying temporary standards .N OSHA issues work practice standards for	Apr	25	43	lowing the plant's second chlorine leak .		10	16
brake ribus — ribos	797081		20	14 carcinogensN	May	9	9	Cellulose			
Airco's air-separation plant near Sao				Alpha-naphthylamine and derivatives pro- duction may be discontinuedN		23	31	Cellulosic plastics makers face capacity	1		
Paulo	Apr	25	21	Du Pont will continue to make alpha-				shortages	N May	16	33
Air-separation plant for Cia. Sideurgica da Amazonia	Jan	17	44	naphthylamine and derivatives N HEW and NCI launching a major research	May	30	37	cigarette tobacco N Feb 7-39!	V May	30	49
Ammonia plant and urea unit contract to		23	46	project at Fort Detrick, Md., to deter-				UC will build Cellosize hydroxyethyl cellulose unit at Antwerp	Anr	4	29
Kellogg	May Jan	17	25	mine what common chemical sub- stances may cause cancer		13	20	Cellulose Acetate Toys give cellulosis	re.		
Dow will boost its investmentN	Mar	7	33	Gelb & Sons' employees shown a film on				plastics a youthful took	. May	9	21
Du Pont target Du Pont will have share in Isocianatos do		•	43	cancer during working hours	June	27	14	Horner Starr (tables) Feb 21-33, Apr 25-36	May	23	32
Brasil, which will build a toluene di-			32	candlemaking into year-round business	Jan	24	33	Centrifuges			
isocyanates plant	June	6	33	Caprolectem				GE studying gas centrifuge separation of uranium isotopes	of N Jan	31	39
survey light-grade bauxite reserves in the		4	41	Dow Badische plans plant	Apr	25	21	Japanese gas centrifuge to separat	6 3801		
	-	-	41	study on expansion of caprolactam				uranium isotopes	u Jan	24	39
Amazon basin				plant	Jan	10	46	Ceremice Alcoe develops low-cost route to high			
sufficiency in aromatics and some								pione develope lou-cost route to high	Sec.		
sufficiency in aromatics and some plastics, but locally made products are more expensive than imports (table)	. Mar	14	29	possible	Jan	3	7	temperature alumina fiber	. Feb	14	65
sufficiency in aromatics and some plastics, but locally made products are more expensive than imports (table) Brookhuis, John American Hoschat's president: His success is no feiry tale	. Mar	14	29 52	possible	Jan	3	7	Ford will make ceramic substrates for	. Feb	14	65
sufficiency in aromatics and some plastics, but locally made products are more expensive than imports (table). Brookhuis, John American Hoschst's president: His success is no felly tale.	. Mar	7	52	possible	Jan	3	7	femperature alumina fiber Ford will make ceramic substrates for catalytic emission-control devices	. Feb	7	39
sufficiency in aromatics and some plastics, but locally made products are more expensive than imports (table) Brookhuis, John American Hoschat's president: His success is no feiry tale	. Mar			possible	Jan	3 21 17	7 41 44	Ford will make ceramic substrates for	N Feb	7	

Energy crisis and its impact on the global chemical industry dominates at meeting .	Fab	14	55	Meeting (49th annual) in Houston: Chlorine expansions will boost total U.S. capacity				Intumescent paints are hot items in flame- retardant coatings	May	23	41
Chemical Specialties Manufacturers Assn	1400	20	42	about 22% (chart)	Feb	14	23	Japan launches global plant buildup			
Meeting (midyear)	May	23	42	CCNU, 1-(2-chloroethyl)-3-cyclohexyl-1-nitro- urea — Anticancer drug to be sold by Bristol				report (map & tables) LNG: Staten Island, N.Y., tank disaster will	June	13	32
CHEMICAL WEEK"				LabsN	Jan	10	41	aggravate CPI's site selection problems .	Feb	21	19
CW Newswire: Now tune in a daily chemical newscast — Publisher's page	Mar	14	4	Chloroformate — PPG plans plant at Barberton, O	Apr	18	15	Moratorium on LNG? Record \$130-billion construction year gives	Feb	28	18
Jesse H. Neal Awards: Winning team's modest bow — Behind the News	Feb	21	5	Chromatography — New chromatograph by-				CPI healthy lift (charts)	Apr	4	21
	reu	21	9	passes charts, types out its own reports Chrome — Army's Rock Island, III., arsenal will	May	9	36	Spanish government encouraging the con- struction of chemical plants big enough			
CHEMICAL WEEK Reports Chemical Week 300. Homer Starr (tables)				treat metal plating wastes in what is claimed				to compete in Europe	Apr	18	27
Feb 21-29, Apr 25-32	May	23	32	to be the largest reverse-osmosis unit ever built for industrial use	May	2	35	Steel shortage slows chemical construction (table)	June	20	27
Forecast '73: Recovery gains speed. Donald P. Burke (charts)	Jan	10	25	Cigarettes — ICI researching cellulosic sub-				The U.S. engineering-construction industry:	ound	20	-
Foreign forecast: World cheminals head for				stitute for cigarette tobacco N Feb 7-39 N Clay — Georgia makes another try for an	May	30	49	Is it ready for a building boom? — report. Kenneth Brooks (tables)	Mar	21	33
brighter future. Albert H. Kisin (charts) Japan launches global plant buildup (map	Jan	24	25	alumina-from-kaolin pilot plant	Mar	7	15	Vinyl bubble will protect construction site			
& tables)	June	13	32	Cleaners				from bad weatherN	Feb	14	68
More of management moves into environ- ment picture. Irvin Schwartz (chart)	Feb	14	57	Cooling system cleaners, CSMA survey	May	23	42	Containers			
Research gets the word: if it doesn't fit -				Wood-panel polishes: Sales may hit \$20 million this year	Apr	18	20	California one of several states considering restrictions on container materials			
forget it. Donald P. Burke (chart)	Feb Mar	28	32		-		-	(table)	Mar	14	17
Think small to make it big in specialty		17		Conada: feasibility study on piping coal-				Coffee producer is running an in-house evaluation on a plastic containerN	Apr	25	30
chemicals. Charles H. Kline (chart & tables)	Jan	17	27	in-oil,	May	2	31	FDA proposes that labels on containers of			
- letters	Jan	31	3	Canada: utility power plants in Alberta will burn coal instead of gasN	May	2	31	household aerosol products containing fluorocarbon propellants include warnings			
Trouble ahead for chemical transport. John M. Winton (charts & table)	Jan	31	25	El Paso plans plant for converting coal into				against inhaling vapors	May	16	25
The U.S. engineering-construction industry:				pipeline-quality synthetic gas on the Navajo reservation near Farmington,				Glass container prices	Apr	25 16	30 25
Is it ready for a building boom? Kenneth Brooks (tables)	Mar	21	33	N.MR	June	27	15	Powder coatings for use on glass con-			
When the safety sleuth comes to call.	hone	6	41	Gasification see Gasification GAV's mining tunnel directly under the Huels				tainers	Apr	11	33
Anthony J. Piombino Chemiluminescence — Explosives sniffer	June May	2	26	complex causes damage, but Huels can-				Contractors			
Chile				not sue either GAV or BASF Natural Gas Pipeline acquires rights to coal	Feb	21	38	Firm orders; potential logiam in the offing .N The U.S. engineering-construction industry:	May	30	43
Elections: Dow and other U.S. investors get				that is "ideally suited for gasification" N		7	39	is it ready for a building boom? - report.			
little solaceN	Mar	14	33	President Nixon's energy message to em- phasize coal	Mar	7	43	Kenneth Brooks (tables)	Mar	21	33
Government is moving to legalize its Oct. '72 takeover of Petrodow; polystyrene				Royal Dutch/Shell broadening interests	May	2	23	Contracts			
plant in Santiago, is "definitely moving toward a complete sellout"	Feb	28	15	UEC's "clean coke" process	Apr	25	44	Chemical companies are turning in identical bids on public contractsN	Jan	24	9
Government's controller rules that the	1.60	20	13	Coatings	luma	20	24	Dow's plans to shift its contract strategies		-	
Ministry of Economy's takeover of Dow				Dream Wall paint-on "wallpaper" Grow Chemical patents new method of	June	20	24	for "energy intensive" chemicals are inaccurate	June	6	21
operations at Concepcion last Oct. was illegal	Jan	10	45	making powder coatingsN	June	20	31	Great Lakes Carbon ordered to shorten con-	Ourio		
				Intumescent paints are hot items in flame- retardant coatings	May	23	41	tracts under which it buys the entire raw coke output of eight petroleum refiners .N	June	27	33
China, Communist Asahi sold acrylonitrile unit using Sohio				Powder coating tested by automotive in-	lan.			New construction contracts climbed to	Guino		50
technology to Peking; now trying to sell	Mar	20	32	Powder coatings for use on glass con-	Jan	17	36	\$91.2 billion in '72; McGraw-Hill's Dodge Div. report	Feb	7	13
an acrylic fiber unit	LAISTL	28	32	tainers	Apr	11	33	Coolants - Rotary engine: market for new car		,	13
by U.S. company Ethylene: Mitsubishi's technology for new	Apr	11	17	Urea-formaldehyde coating resins prices .N	Jan	17	23	chemicals?	June	13	29
plantN	Feb	14	31	Coke				Copper			
Ethylene plant will use Lummus process . N Fertilizer from Kuwait	Jan	17	25 44	Chemical Week 300 — reports. Homer Starr (tables) Feb 21-34, Apr 25-40	May	23	32	Asarco's electrolytic copper refinery near Amarillo, Tex., main by-product; silver	Mar	14	19
First U.S. chemical shipment leaves Houston				Great Lakes Carbon ordered to shorten con-				Anaconda plans unit near Twin Buttes, Ariz.	TWHEAT	14	13
for China Hitachi bids for construction of pulp plant	Jan	31	15	tracts under which it buys the entire raw coke output of eight petroleum re-				to extract copper from ore with sulfuric acid	Feb	21	21
in ChinaF	Feb	7	36	finers	June	27	33	Bunker Hill's contract for copper plant	Apr	25	44
Industrial exhibition; British make strong bid for China trade	Apr	4	41	study	Apr	25	21	Chemical copper: New Anaconda process solves pollution problems	Jan	24	37
Japanese fertilizer producers persuade				National Steel's Weirton, W.Va., new coke plant blast spotlights coke problems	Jan	3	15	Chemical prices N Mar 7-37	Mar	14	28
China to pay more	May	23	31 24	OSHA issues 11 citations for job safety	1			Duval plans hydrometallurgical copper processing plant at Esperanza mine . R	June	13	21
Licenses Sohio's process to make acryloni-				violations		28	17	Outlook bright	Jan	3	13
trile	May	16 25	23	Francé plannedF	Apr	4	29	Prices up in response to increasing demand	Jan	17	23
People's Republic recognizes Teijin Ltd				UEC's "clean coke" process Colombia — Dow sells interest in LDPE ven-	. Apr	25	44	Shortage shaping upN	May	2	18
as a "friendly company"	Feb Feb	14	31	ture to Ecopetrol	i Jan	17	25	Copying Machines — Xerox machine unit pro- duces full-color copies on unsensitized			
Petrochemical complex from France N	May	23	40	Combustion — Wet combustion to destroy outdated naval ammunition may be tried .N	l Mar	21	41	paper		30	43
Small, crude plants supply 25% of Chinese fertilizer needs	May	30	47	Commodities — Materials shortage is shaping	1		10	Cosmetic, Toiletry & Fragrance Asan. — Will not oppose FDA proposal that cosmetic			
U.S. officials expect a healthy chemical	1			Compressed Gas Assn. — Meeting (60th	4 May	2	18	ingredients be listed on each package		14	26
UOP seeks China deal	June	7	10	annual): DOT will need industry's help in				Cosmetics			
Urea projects	Feb	21	13	developing standards and controls for the safe shipping of hazardous materials, says	9			Chemical Week 300 reports. Homer Starr			
Vinyl acetate and PV alcohol plant from Japan	Apr	4	41	Davis		24	12	(tables) Feb 21-31, Apr 25-35 Delaney clause reprieve? Conference on the	May	23	32
				Computers				Scientific Basis for the Delaney Amend-			
China, Nationalist China Petrochemical licenses Sohio's				Lab computers do it faster		9	36	ment says "nay" Eagleton bill wants premarket safety tests	Jan	24	16
process to make acrylonitrile	May	30	47	Latest computer hardware cuts chemica plant maintenance costs	. Jan	31	35	for cosmetic products, and ingredient			
Hercules PP: agreement for first plant to Taiwan	Jan	10	10	Mini-calculator sales growth will boost man	Feb	7	27	labeling on cosmetic products	Mar	21	24
Taiwan plans to increase purchases of a	1			Owens-Corning's computerized resin		,	21	FDA bans mercury use in skin-bleaching preparations	Jan	17	18
wide range of products from U.S. firms . UC may build ethylene oxide and glycol	. Apr	11	17	making at Anderson plant will be copied at Valparaiso, Ind.	d Mar	28	31	FDA investigating advertising claims for cosmetics	Apr	18	18
plant in Taiwan	V June	27	37	RCA develops first holographic optical com	je .	2.0	0.	FDA proposes that cosmetic ingredients be	1		
Chlorine				puter memory that performs full-cycle data processing operations	8 Feb	28	43	listed on each peckage	Feb	14	26
BP Chemicals' plant at Baglan Bay, South	1			Textile marketing tool translates designer's	8	20	40	new limits on the amount of asbestos im-			
Wales	Jan Jan	31	29	sketch into fabric sample at Texti Design	n Eab	20	14	purities permissible in talcum powder and other talc-containing cosmetics	Mar		12
Chior-alkali prices	June		23	Center (chart)	. Feb	28	14	Teijin diversifying into cosmetics; to acquire	1	,	13
Dow adding another 1,000-tons/day chlorine plant at Freeport, Tex	N June	6	21	sation Survey (table)	Jan	3	16	a 1/3 interest in Papilio CosmeticsN	Jan	10	48
Dow will boost its investment in Brazil	Mar M	7	33	Conseil Europeen des Federations de L'Industrie Chimiques (CEFIC) — chemica	N			Costs			
Expansions will boost total U.S. capacit about 22% (chart)		14	23	lobbying group		3	25	Evaporation system cuts treatment costs for		9	24
Markets: a battle to meet fast-growing	. red			Construction				hard-to-treat chemical wastes (table) . First annual survey of investment in em-	May	9	31
demand PPG's plant in Puerto Rico picketed fo	Feb	28	27	Coastal restrictions block petrochemics	ni .		45	ployee health and safety McGraw-Hill's		30	15
lowing the plant's second chlorine leak	. Jan	10	16	and power projects (map) Dow's Midland, Mich., complex: Landscap	. May	30	45	Economics Dept. Is professional unionism inevitable? —			
Prices	N Mar	14	28 34	plan is aimed at transforming 'Fortres	s Feb	21	AE	letter	. Apr . May	11 23	4 5
		1.4	34	Dow' GAV's mining tunnel directly under Huel		21	45	Maintenance: Latest computer hardware			
Swiss plant completed								maniferiore. Europe comparer manufacture			
Chlorine Institute Chlorine: a battle to meet fast-growing				complex causes damage, but Huels car not sue either GAV or BASF		21	38	cuts chemical plant maintenance costs Pollution control costs	. Jan	31	35

tables)	May	23	49	Chicago's ban was an "unjustified inter- ference with interstate commerce" rules				mate — Supreme Court is asked to define the scope of meprobamate patent	May	2	13
addressing 1st Industrial Water & Pollution Control Conference &				Court	Mar	14	27	Tranquilizers: Hoffman-La Roche's U.K. affiliate must cut prices of Valium and			
Exposition	Mar	28	41	trouble	Apr	4	37	LibriumN	Apr	25	30
EPA spending for waste-treatment plants is falling short of expectations N	Apr	4	31	phate levels to 8.7% in household deter-				Facing further inquiriesN	May May	16	28 27
Government spending for new municipal waste treatment plants and sewers may				gents and remove restrictions entirely from commercially used detergents;				U.S. chemical companies send aid to stricken Nicaragua	Jan	17	18
not be more than the \$5 billion				N.Y. legislature stands by its June '73				Upjohn asks permission to market Prostin	ou.		
planned	May	16	48	N.Y. and Indiana drives to repeal zero-	Feb	21	20	F ₂ Alpha for use in terminating pregnancy during the third to sixth months	Mar	7	16
pollution control projects?	Apr	18	37	phosphate legislation gathering steam	Mar	14	27	Weight-reducing drugs see Amphetamines West German pharmaceutica sales in-			
Raw materials, fuels costs pose new peril to CPI earnings (charts)	Mar	21	19	N.Y. ban goes into effect; more state and					June	13	39
Research gets the word: if it doesn't fit — forget it — report. Donald P. Burke				local detergent phosphate bans on tap (table)	June	6	25	weight polymers as materials for drumsN	May	23	39
(chart) — letters	Feb Mar	28 21	32	Maleic-based product could add to the pressure for new maleic capacity	Apr	11	23	Dyes			
UC's cost-cutting campaign is paying off				Pfizer is concentrating its citrate market				Dyemakers: Justice Dept. subpoenaes at			
big	Apr	11	24	push on dishwater detergentsN Diaminomaleonitrile — Kyowa Gas Chemical	Mar	28	27	least a dozen major dye makers to ap- pear before a Newark, N.J., grand jury			
Crystals Airport security: new market for chemicals	May	2	25	considering commercial production of DAMN	Jan	3	29	looking into alleged price fixing N Producers receive subpoenas	Feb	14	17
- letter	June	20	5	Diammonium Phosphate Indian plant plans		10	46	FDA's ban on Violet No. 1 food color af-			-
Mini-calculator sales growth will boost mar- ket for chemical components	Feb	7	27	dropped	Jan May	9	26	fects use of other dyes	Apr	25 24	52 19
Thermoluminescent devices: new measure		22		Diethytatilbestrol				Tennessee Eastman's disperse dyes unit at Kingsport, Tenn		28	23
for radiation exposure 5-Cyclohexadecenone — Japanese process	June	27	35	FDA orders end to use of implants in beef				Thermal printing spurs development of im-			
for making macro-cyclic muskN	Jan	3	32	FDA will okay use of DES as a "morning-	May	2	15	proved dyes (diagram)	Feb	28	47
-				after" birth-control pill Three proposed DES substitutes suspected	Feb	28	18	E			
D				of being carcinogenic	May	9	16	_			
DOT				USDA study of DES residues in beef cattle	Apr	18	18	Education			
Coahoma Chemical suit: EPA's Ruckel- shaus did not need to file an environment				Diethyl Sulfide - French plant starts up . R	May	2	23	Engineers need a better job climate View- point	June	27	5
impact statement prior to his decision to	Jan	10	18	Dimethyl Terephthalate				Where will engineers come from? (chart)	June	29	43
ban DDT R	Jan	17	18	Hercules looking worldwide for DMT sites, U.S. capacity expandedN	Mar	14	12	Electric Power Generation			
EPA and USDA unveil education program aimed at helping farmers switch to DDT				Indian plant at Guiarat	May	30	47	Aluminum industry in the Northwest suffer- ing from major curtailments of power by			
substitutes	Jan	17	19	Dioctyl Phthalate — Japanese-Iranian joint venture complex near Abadan, Iran N	Jan	3	25	BPA power curtailments force Anaconda to	Apr	25	21
EPA denies requests to use DDT to control tussock moth infestation of Douglas fir				Disinfectants — Government continues pesti-			19	shut down a potline and two fabricating			
trees	May	2	31	cide, disinfectant labeling crackdown Distribution — Diamond signs first "integrated	Jan	17	15	plants	May	2	27
Dairy Industry — Chemical Week 300 — re-	. 40.			service" contract in chemical distribution pact	Mar	21	31	interruptible power customersN Fuel costs: Higher power rates add to chem-	Apr	18	9
ports. Homer Starr (tables) Feb 21-35, Apr 25-42	May	23	32	Drilling - Offshore leasing and drilling pro-				ical producers' profit squeeze	Jan	10	17
David, Edward Jr. — Gould Inc. executive v-p: The White House is a tough act to				grams to speed up	May	23	21	Hooker stops making chlorinated solvents at Tacoma, Wash., because of UC cut in			
follow	May	2	40	Drug, Chemical & Allied Trades Asan. Seminar looks at '73	Jan	24	13	deliveries of calcium carbide due to	14	00	04
Defense Department — Mendolia, Arthur named as Assistant Secretary of Defense for				Weicker, Sen, would like to see the de-	our.	-		"Power and Human Welfare" study will	May	23	31
installations and logistics De-icing — Little, Arthur D. report concludes	June	13	19	cisions of the FDA reviewed by outside panels of experts	Mar	14	17	compare industries' electricity consump- tion and value addedN	Jan	10	41
salting of snow and ice on highways should				Drugs				Puerto Rico: Power failures continue to plague petrochemicals complex at			
continue, but the practice has to be limited	Feb	14	68	Amphetamines: Are combination ampheta-				PonceN	June	27	9
Denmark — PVC plant planned Dentistry — Clear polycarbonate brackets	Mar	21	49	mines "new drugs"? FDA challenging a temporary order restraining their recall. N	May	9	20	Socialism plus electricity letter Texas' chemical process plants continue	Jan	10	5
catch on as replacement for metal bands in		-		Amphetamines: weight-reducing drugs	lan	17	14	to be hit with power and natural gas cur- tailments	Jan	3	14
orthodontics	Mar May	23	47	under fire	Jan	31	15	Electrodes — Swedish electrode provides			
Deodorants, personal				U.S. puts down diet 'ups' Antacids: FDA proposes new rules govern-	Apr	11	19	more accurate pickling control Electrolysis — Alcoa's electrolytic process	Jan	24	37
FTC orders 8 manufacturers of deodorants				ing labeling, testing and marketing		11	19 35	will cut pollution, slash power require- ments	Jan	17	35
and antiperspirants to document ad claims	June	e 6	26	Antibiotics see Antibiotics	June		33	Process will get its commercial test in a			
Ferninine deodorant sprays soon will carry	lune	e 13	14	Anti-inflammatory agents may work best if they're structured like iceN	June	20	31	plant to be built at Palestine, Tex N Electron Beams — JAERI-Ebara joint research	June	6	55
a health warning	· vuin			Anti-inflammatory drug for treatment of humans		7	39	project to remove SO ₂ and nitrogen oxides from heavy-oil fuel gas with an electron			
Desalting see Water Treatment				Aspirin: producers deny FTC charges that	. 00		00	beam	Apr	25	49
Desulfurization				their ads for nonprescription analgesics were misleading	Mar	21	23	Electronics			
Bunker Hill's lead smelter in Kellogg, Ida., will test process for removing sulfur di-				Chemical Week 300 — reports. Homer Starr (tables) Feb 21-30, Apr 25-34	May	23	32	Airport security: new market for chemicals .	May June	20	25
oxide from smelter stacksN	Apr.	18	39	Contraceptives: DES as a "morning-after"				letter Mini-calculator sales growth will boost		20	
Fuel Desulphurization: Colonel's Island, near Brunswick, Ga., possible site for heavy-				birth-control pill, okayed by FDA Diet drugs: BNDD imposes new restrictions	Feb	28	18	market for chemical components Electroplating — Lea-Ronal will market Mon-	Feb	7	27
fuel desulturization refinery Gas absorption tower for removing SO ₂ from	. May	23	19	on six diet drugs DCAT looks at '73	June 'Jan	27	15	santo's new cyanide-free electroplating	las	10	41
flue gases	i Apr	4	47	European companies have increased profits			.0	processN	Jan	10	41
JAERI-Ebara joint research project to re- move SO ₂ and nitrogen oxides from				by diversifying into pharmaceuticals, are expanding at home and abroad	Apr	11	36	Employment Chemical employment is up (table)	Apr	4	24
heavy-oil flue gas with an electron beam Detection — Military mine detection system		25	49	Fisons sees it biggest growth in overseas drug markets	June	6	35	Deutsch, Shea & Evans' index for engineer-	May	16	47
based on chemicals	. May	, 2	26	FDA powers affirmed by four Supreme Court	4			scientist demandN Engineers and scientists want a bigger	May	10	
Detergenta				FDA proposal to assure effectiveness of dif-	June	27	15	voice in setting employment policies and practices	June	6	63
Chemical Week 300 reports. Homer Star (tables) Feb 21-31, Apr 25-35	May	23	32	ferent version of the same drug does not call for across-the-board testing of ac-				Guidelines on professional employment			
Detergent phosphate replacement				tive ingredients that fight disease N	Jan	17	14		May	16	47
HDLs: Phosphate bans spur sales of laundry liquids	. Apr	11	32	FDA will be getting detailed instructions on how to go about implementing the '62 law				Gulf R&D will cut its work force 15% on Mar. 1	Jan	10	10
Marketers bracing for a major promotions battle in N.Y. as the statewide ban or	n			that bans sale of drugs considered safe but not very effective	Jan	17	14	U.S. Dept. of Labor BLS reports		17	18
phosphate detergents takes effect?	V Jun	B 6	36	Hormones see Hormones			,,,	More chemical jobs	FAD	14	24
Pfizer develops nonphosphate formulation for machine dieliwashing datergent	8		-	Ireland: U.S. pharmaceutical makers plan projects	Jan	17	25	More jobs in chemicals	Apr	1 18	24 12
(MDD)	N Mar	28	27	Methaquelone: William H. Rorer will chal- lenge government's decision to put meth-				Job market steady Employment edges up	May	16	22
search for a suitable phosphate re	-	1 21	28	aqualone under stricter controls N	Apr	18	18	U.S. seeks more minority hiring for top jobs	June	13	
Detergent phosphates		21	26	Oral dosage drugs must be dispensed in child-resistant safety packages by Apr.				in industry (table) Emulsions — Gaulin's package plant allows	May	23	20
Are phosphate detergents on the shelf to stay? Court decision voids control	0			16, '74 Pharmaceuticals finishing and packaging	Apr	25	21	wax emulsion users to make their own N	May	16	47
versial ban in Chicago and legislature in three states consider repeal of bank	16			plant in Jakarta, IndonesiaF	i June	6	35	Energy			
but makers continue search for ne	W		-	Thalidomide: Agreement on damages in Germany and England	. Feb	7	15	Administration's new energy policies are working says C. DiBona	May	23	15
builders	. Ma	r 21	28	Tranquilizers: Carter-Wallace's meproba	-			AICHE New Orleans meeting discusses			

feedstocks, energy problems	Mar	21	45	Olin's Saltville plant, mineral rights and	June	6	55	Iraq's ethylene plant and petrochemical complex at Basrah approvedR	Mar	14	31
engineers to solve waste treatment and energy problems, prove forecasts of				\$600,000 will be given to the town PPG's chlorine-caustic soda plant in Puerto	Jan	10	17	Japanese demand will be catching up with	Mar	7	33
Congress pressures Nixon to take action	June		41	Plico picketed following the plant's sec- ond chlorine leak	Jan	10	16	Japan's Tonen Sekiyukagaku considering Tomakomai, Hokkaido, as a site for a			
on energy situation Dow's Decker sees soaring fuel and feed-	Apr	18	14	Cleanup costs on up, up (chart &				ethylene unit		21	39
stock prices driving up the cost of chemical operations	May	16	21	tables) Counting complex cleanup costs:	May	23	49	in England	Jan	24	31
Du Pont's energy conservation program has trimmed energy requirements 7-15%				Aldrich addressing 1st industrial Water & Pollution Control Conference				in England or Norway	May Jan	17	29 15
year, says consultant manager G.F. Moore	Mar	28	25	& Exposition EPA spending for waste-treatment plants	Mar	28	41	Rotterdam-Antwerp area will have access to West Germany's ARG pipeline grid	Jan	17	44
Energy crisis and its impact on the global chemical industry dominates CMRA	201			is falling short of expectations N Government spending for new municipal	Apr	4	31	Shortage looms despite producers' plans for new capacity; bind will send			
Jackson, Sen. bill to provide more money	Feb	14	55	waste treatment plants and sewers may not be more than the \$5 billion				prices soaring (chart) Thailand's Siracha petrochemical complex:	Apr	25	15
for non-nuclear energy research gaining support in the Senate	Mar	28	25	planned	May	16	48	End of an impasse Ethylene Anhydride — Monsanto's resins	Mar	14	30
NSF task force to study R&D on energy matters	May	2	31	pollution control projects? Russia's crackdown on pollution may	Apr	18	37	plant at Luling, La., onstream	June May	6 23	29 42
Needed: national chemical policy — View- point	Apr	18	3	generate U.S. equipment sales Satellite pollution monitoring program data	Jan	17	38	Ethylene Oxide			00
New energy policy is a bad bargain — Viewpoint	May	9	5	SEC rules companies must report all en-	Jan	3	22	Prices N UC's capacity buildup of EO and PE N UC may build a plant in Taiwan N	Mar Jan	17	28 13 37
Nixon's energy message: Big changes in store for chemicals? Nixon's energy message: CPI lauds fuel	Apr	25	18	vironmental suits brought against them by government agenciesN SOCMA's Kent says zero in on the few	May	2	8	Ethylmercaptan - French plant starts upR	June May	27	23
supply boost, sees handicap in import fee	May	2	9	chemicals that pose "unreasonable risk"	Mar	21	17	Europe CEFIC, chemical lobbying groupN CEFIC will propose a European chemical	Jan	3	25
No energy crisis? — letter	May	2	36	States consider new environment restric- tions on CPI (table)	Mar	14	17	capacity information exchange planN Chemical firms up stake in drugs	Jan Apr	31	23 36
shake" in energy policiesN Stop wasting energy — letter	Jan Apr	3	7	UC's new measurement technique speeds odor study, pinpoints potential control				Chemical makers fear a squeeze on oil supplies as a result of cutbacks in Mid-	Apr		50
What energy crisis means to CPI in feed- stocks and added costs: NPRA meeting .	Apr	11	26	problems (table) What new Congressional and Cabinet	Mar	14	35	east production and expanding imports	Mari	2	24
What new Congressional and Cabinet line- up means to the CPI		10	15	Environment see also Air Poliution;	Jan	10	15	by the US	May	2	24
White House policy: Look for some sig- nificant changes		3	8	Waste Disposal; Waste Utilization; Water Pollution				with entry of U.K., Denmark and Ireland (map & chart)	Jan	3	26
Engineering				Environmental Protection Agency				Common Market countries may eliminate lead in gasoline by '80N	Mar	14	39
Alcoa develops low-cost route to high- temperature alumina fiber	Feb	14	65	Fri, Robert, new interim administrator; other internal EPA changesN	May	9	9	Common Market likely to invoke capital controls to check the flow of U.S. capital investments		00	00
Dow's Midland, Mich., complex: Land- scape plan is aimed at transforming				Regulations, standards, etc. see Air Pollution, Environment, Waste				Common Market setting up a marriage	Mar	28	38
'Fortress Dow'	Feb	21	45	Utilization, Water Pollution or specific product — Herbicides, Insecticides				bureau for companies that want to merge	May	2	24
welds by exothermic chemical reaction . Hydrometallurgical methods promise	Apr	4	51	etc. Spending for waste-treatment plants is				DuPont's European project — sites under consideration include Northern Ireland			
cheaper nonferrous ore recovery Lummus' TPA process: How new process	Apr	25	44	falling short of expectations	Apr	4	31	and the Irish Republic	Jan	24	31
for making TPA reduces capital, operating costs	Apr	11	27	mid-city areas as a result of pollution abatement efforts	May	16	48 29	Europe	Jan	10	48
Phosphoric acid buildup: producers ponder process choices	Jan	3	33	Correction — letter	May	2	36	Common Market antitrust chief has his eye on U.Sowned as well as European			
The U.S. engineering-construction in- dustry: Is it ready for a building boom?		04	20	Epsom Salt — FDA warns containers sup- posedly filled with Pure-Pac epsom salt,				firms ECC charging Continental Can with	Feb	14	33
report. Kenneth Brooks (tables) Vertical kiln process may end oil-from- shale bottleneck	Mar	21	33	may actually contain potassium nitrate Equipment — Steel shortage slows chemical	June	20	15	violation of article challengedN Move to block acquisition overturned by Court of Justice; however court af-	Jan	3	25
Engines International Auto Show spotlights after-				construction (table)	June	20	27	firms commission's authority to con- trol multinational mergers that lessen			
natives to piston engine	Apr	18	13	Australian pipeline controversy: Esso-BHP					Feb	28	23
icals? Wankel engine: American Motors obtains	June	13	29	delivers feedstock across Australian bay after two-year delay (map)	Feb	28	25	Italian subsidiary Instituto Chemioter- apico about \$217,000 for "abuse of a			
a license for U.S. rightsN	Feb	28	43	Canada: Dow negotiating to tie in with Dome Petroleum's proposed ethane				dominant position"	Jan	3	25
Environment Alaskan pipeline: Administration will				Dow and Dome may build complex in	Mar	14	12	revised plan from Common Market	Jan	31	23
appeal a recent court decision barring construction and sponsor legislation to				Alberta	Apr	25	13	Fiber makers still angling for coordination of new plant construction as a way to		-	
permit the enlarged rights-of-way pro- hibited by the court	Mar	7	10	Ethoxylate — Japanese plant using UC technology planned		28	34	prevent future overcapacityN Fibers: information-sharing system for	Jan	3	25
AIChE zeros in on chemical pollution problems at Detroit meeting	June	13	41	Ethyl Alcohol — 'Gasohol' for Midwest? 2-ethyl Hexanol — Japanese-Iranian joint	Apr	4	24	Europe's fiber makers to be operated by the Common Market is under con-			
Australian ethane pipeline controversy: Esso-BHP delivers feedstock across	00.10			venture complex near Abadan, IranN	Jan	3	25	sideration	June	27	37
Australian bay after two-year delay (map)	Feb	28	25	Ethylene Argentina: Ethylene project lines up five customers	Mar	14	20	frade pact could upset schedule Foreign forecast: World chemicals head	Apr	25	28
Delaware considering several environ- mental measures that would impose				Austria's OEMV plans to spend \$4 million to double ethylene and propylene	Mar	14	30	for brighter future — report. Albert H. Kislin (charts)	Jan	24	25
severe restrictions on the state's chemical industry	May	2	15	capacities	Feb	14	34	ICI wants to boost automotive sales to the European market	Apr	18	31
Ecology laws get test: case involving ICC and a group of ecologists, may set new				plant fire; BP will be searching Europe				Industrial production will grow faster than that of the U.S. during the next 10 years			
limits on the use of the environmental impact statement; law banning dis-				for ethylene to supply downstream plants	Feb	14	31	McGraw-Hill Economics Dept. study	Mar	7	9
charging of industrial wastes into navig- able waterways without a federal permit				Dome Petroleum's proposed ethane pipelineN	Mar	14	12	Roundup R Jan 10-46	May	2	23
from the Army Corps of Engineers How chemical companies make a profit in	. Jan	3	14	Dow and Dome may build complex in Alberta		25	13	construction of chemical plants big enough to compete in Europe	Apr	18	27
pollution technology Impact statements will have to be filed	. Jan	10	35	Behind Dow's Dome deal Canada's SOAP project: Dow drops out;	May	2	14	Specialized resins demand lifts Europe's plastics additive sales (table)	Apr	4	33
earlier than they are now under guide- lines proposed by the Council on En-				Du Pont and Polymer must now decide whether they want to proceedN	Mar	14	12	Sulfur shortage developing	Feb May	7 16	23 29
vironmental Quality	May	9	20	SOAP project isn't dead	May	30 17	9 25	Textile output should grow faster than all- industries	Mar	14	33
dustry group, will meet to develop a pro- gram for promoting isocyanates	. Mar	21	23	Chinese plant will use Mitsubishi tech- nology		14	31	Evaporation			
More of management moves into the environment picture — report. Irvin				Dow's needs may be filled by building crude oil refinery at either Freeport,	100		0.	Dow uses solar evaporation to cut waste loads at Pittsburg, Calif.	May	16	57
Schwartz (chart) New Jersey bill would give the state's	. Feb	14	57	Tex., or Plaquemine, La	May	16	23	Multiple-effect evaporator cuts costs of treating pharmaceutical and food			
EPA veto powers over proposed coastal projects	May	2	14	prospective expansion	May	16	17	processing wastes (table)	May	9	31
Nixon's environmental message high- lights: higher tax on SO emissions and				Assn. meeting — Getting a better handle on '80 feedstock costs	Apr	11	26	Explosions Cherokee Nitrogen's ammonium nitrate			
action on a stronger toxic substances control bill	N Feb	21	41	French unit at Feyzin may boost capacity .N German plant started up	May	16 14	27	warehouse at Pryor, Okla., fire and explosion	V Jan	24	19
Nuclear power: Closing of 20 plants is the aim of environmentalists led by R. Nader				Gulf Oil's plant site will be Cedar Bayou, Tex		13	21	warehouse in Chicago destroyed by			28
					-			explosion and fire	June	6	4

FMC's persuifate plant at Tonawanda, N.Y., explosion and fire	Mar	14	20
Cause pinpointed	Mar	28	25
LPG pipeline near Phillips refinery in Austin, Tex. leak explodes National Steel's Werrion, W.Va., new coke plant blast spotlights coke problems OSMA increase 11 citations for inh safety.	Mar	7	15
Odria issues i i citations for job safety	Jan	3	15
violations	Mar	28	17
ville, Calif. switching yard Staten Island, N.Y. LNG tank disaster will	May	9	13
aggravate CPI's site selection problems	Feb Feb	21	19 18
Thiokol's Woodbine, Ga., plant explosion Feb 21-19	May	23	21
Explosives			
Du Pont selfs Moosic, Pa. black powder unit to Gearhearl-Owen Industries . R ICI reorganizes its domestic explosives business into a wholly owned sub-	May	2	15
sidiary, Nobel's Explosives CoN	Jan	31	23
Exports and stronger hand in trade —			
Viewpoint Balance of trade	Apr	18	3
Big balance no trend Commerce	Long	0	26
Cheaper dollar boosts chemical trade	June	6	26
balance — Commerce Dept. report (charts)	May	2	19
Chemical surplus up: Commerce Dept figures (chart)	Mar	7	13
More chemical trade? Commerce Dept.'s Bureau of International	r.,	-	
Commerce report (chart) Trade balance declines — Commerce	Feb	7	14
Dept. report (table) Trade turnaround in June?	Apr May	30	25 9
Brezhnev's visit: Catalyst for chemical		40	45
trade? China: Beker Industries makes first sale of fertilizer by a U.S. company	June	13	15
China trade discussed at SUA conven-	Apr	11	17
first U.S. chemical shipment leaves	Jan	31	14
Houston for China National Council of U.SChina trade to	Jan	31	15
be held May 31 in Wash. Oxy signs fertilizer deal with Russians	May Apr	30 18	14
Minor snag over financing procedures develops	. May	23	24
Oxy-USSR agreement: metal finishing equipment for Soviet nickel	A Jan	3	16
U.SChina trade could reach \$400 million in '73 says J. Sobin	N May	30	9
U.S. officials expect a healthy chemical trade with China	N Mar	7	10
UOP seeks China deal European Common Market adds economic		6	26
muscle with entry of U.K. Denmark and Ireland (map & chart)	Jan	3	26
French chemical trade balance im- proves	N May	2	24
Great Britain: '73 first-quarter chemical	R Mar	28	34
Industry input to guide U.S. trade nego- tiators is No. 1 topic of session of			
chemical industry executives with Deni	N June	20	9
Japan: 15% yen revaluation would wipe out chemical trade surplus	N Feb	28	23
Japan's surplus grows New energy policy is a bad bargain —	Mar	14	21
Viewpoint Petrochemicals: Interior's OOG would	. May	9	5
Petrochemicals: Interior's OOG would modify import-for-export program Tire and tube imports outdistance ex	N Feb	14	18
ports (table)	Feb	14	22
Trade bill see Teriffs Trade policy: Congress in no mood to give Nixon blank check on trade	Jan	24	14
Nixon blank check on trade Trade Reform Act of '73: They're man shalling for GATT fight	. Apr	18	10
West German exports up West German pharmaceutical sales in	N May	23	43
What new Congressional and Cabine	Ni hine	13	39
lineup means to the CPI	Jan	10	15
Expecitions ACHEMA preview: Early line on equipment to look for at '73 show	May	16	39
Achema exhibition opens reflecting	lune	27	14
International Auto Show spotlights after	. Apr	18	13
		16	20
resins, processes take spotlight at show NEFTA-GAZ EXPO '73	N Mar	21	17
Republic Steel's nickel extraction process			
will permit use of new ores and wi	N Mar	21	42
Solvent extraction may pay off in waste water cleanup (table)	Apr	-11	34
- 4			
Form Murket			
Bumper year for ag chemicals	Jan	31	12

	eb	28	16
Fatty Acids Japanese fatty acid ester plant planned .R	eb	7	36
Ferracone, William — Crompton & Knowles	May	23	24
	May May	9	40 28
Fertilizer Institute Annual marketing conference: Harvest of			
optimism Boom in fertilizers	June Mar Apr	20 7 18	14 36 24
king-size season and problems to	Feb	14	55
match Use of phosphate and nitrogen fertilizers up, potash down	Feb	7	23
Fertilizers			
AID contracts for aid to South Vietnam . N AID plans to buy about half its fertilizer requirements from overseas sources .N	Jan	31	9
Beker Industries makes first sale of ferti- fizer by a U.S. company to China	Apr	11	17
Boom in fertilizers: Fl index	Mar Jan	7	36 12
Bumper year for ag chemicals China Small, crude plants supply 25% of		30	47
Chinese fertilizer needs Farmers Chemical's Tunis, N.C. plant re-	May	-	
sumes operation	Jan Apr	10	18
fertilizers up, potash downN FI's annual marketing conference: Harvest	Feb	7	23
of optimism	June	20	14 36
India plans for plenty India's fertilizer supply problemsN	Feb Jan	10	48
Japanese fertilizer producers persuade China to pay more	May	23	31
Kuwait sells fertilizer to China	Jan Feb	17	55
Markets will be in balance; forecasts for	Jan	17	23
Mississippi Chemical's complex will get two new major air pollution control	Jan	17	36
systems	our		
plants Mitsui group sells plant to ChinaN	June Apr	27 25	13
Mobil sells fertilizer operations Negotiations for the sale of Cyanamid's plant food business to CF Industries	Apr	11	20
broken off	Feb May	7 2	9
Oxy signs fertilizer deal with Russians . N Minor snag over financing procedures	Apr	18	9
develops Oit companies in the fertilizer business: some like it, some don't, all expanding	May	23	24
outlook: Bigger crop platings and strong export demand will make it a banner	Jan	17	15
year for plant nutrient sales, despite widespread rains and transportation	Ans	18	23
tie-ups The phasing out of farm subsidies could	Apr		
spur ag chemical sales Phosphate rock shortages will continue. N	Feb	16	16 33 38
Phosphate rock shortages will continue .N. Russia: Shakeup for Soviet chemicals? Russia's agricultural crisis	Feb Mar	21	47
Russia's production goal of 90 million tons/year by '75 will be met	Mar	28	32
driving inventories to low levels	June	13	21
South Korea starts new round of chemical building	June	27	39
South Vietnam program for developing fertilizer manufacturing capacity	Feb	14	35
continuing adverse weather and flood- ing in the Midwest and Midsouthh Thai plant in the Pathum Thaki area	May	9	25
planned	Jan	10	46
planned F. Valley Nitrogen Producers ups capacity at Helm. Calif. complex Fertilizers see also individual fertilizers.	May	2	15
Ammonia, mirogen, Prospriate etc.			
Fibers Acrylic: Asahi trying to sell the Chinese			
an acrylic fiber unit Acrylic: Du Pont Canada boosting ca-		28	32
pacity at Maitland, Ont. Acrylic: Du Pont expanding Orion facilities		6	35
Actylic: Vomvix plant in Greece	R June R May	13	21
at Maydown works, Ireland Actylic: Vornvix plant in Greece Acrylic fiber joint venture in Lisbon by Mitsublish and Cia Uniao Fabril Plant to be built at Barreiro, near	R Feb	7	36
Lisbon Acrylic fiber plant at Lingen, Germany Alcoa develops low-cost route to high-		30	
Acrysic liber plant at Lingen, Germany! Alcoa develops low-cost route to high- temperature alumina fiber	Feb Feb	21	39
Courtaulds plans expansion of nylon,		28	
polyester and acrylic fiber units. Du Pont readying Fiber B expansion?! Europe: information-sharing system for fiber makers to be operated by the	N Feb	21	13
and observed of the			

Common Market is under consider- ation	lune	27	37
ation N , iurope's fiber makers still angling for co- ordination of new plant construction as a way to prevent future overcapacity .N ,	Jan	3	25
a way to prevent future overcapacity. No uropean makers hope to get support for their revised plan from Common Market	Jest	3	20
Commission N Surope's synthetic fibers: from glut to	Jan	31	23
shortage four fibers in search of a name: producers	May	16	29
feel generic names for fibers could	Mar	14	42
French warning against prem ture fiber	Apr	11	25
buildup	June	20	20
Imports ease up Commerce Dept.	Mar	21	20
report ireland: Courtaulds plans complex at	May		23
Japan acts against fiber cartel	Jan	3	29
Japan's synthetic fiber production dropped 4% last year	Feb	7 23	31 43
Japanese makers will increase capital	May	23	23
outlays in fiscal '73 Man-made fiber imports dropN Markets are getting extremely tight and	Apr	18	25
	June	13	23
Monsanto's polyester tire yam plant at Decatur, Ala., will convert to production of nylon carpet and other fibers	Mar	21	24
Polyesters see Polyesters Polypropylene see Polypropylene	IVICI	21	2.4
PricesN	Apr	25	30
Protein fiber capacity at Toyobo's Tsuruga Works to be doubled	Feb	21	39
economic forecast	Feb	7	16
Synthetic fibers: South Korea starts new round of chemical building	June	27	39
Synthetics out front: Nylon, polyester fiber shipments rose sharply during Jan-Feb	Ans	-	20
Textile Economics Bureau report Thermal printing: hot new process for	Apr	11	20
synthetic-fiber textiles (diagram) UC's European carbon fiber plant possible N	Feb	28	7
U.S. synthetic fiber output still growing	Jan	28	14
fast (chart) Worldwide production increases	Feb	17	20
illers	Mar	14	42
Control for odors, Sanilan Travelling-belt filter will get its first test in	Mai	14	42
Olin's Pasadena, Tex., phosphoric acid plant	Apr	4	47
Financial Allied Chemical projecting substantial			
Allied Chemical projecting substantial gains in earnings in '73 and beyond American Hoechst's U.S. sales up in '72,	Apr	18	13
expects '73 sales to top \$300 million Asarco's Forrest Hamrick optimistic for	Mar	7	16
73 Annual meetings: first-quarter results pro-	Feb	21	18
vide encouraging news Shareholders hear that the best is yet to	Apr	18	14
come	May	2	12
Annual meetings and security analyst presentations: Accent on the positive Anti-inflation action catches U.S. chemical	May	9	15
industry with its operating costs up and its product prices down (chart)	June	20	12
Ashland Oil projecting substantial gains		18	13
BASE's capital spending plans for '73 N	Jan	24	31
Beker Industries going public N Capital spending: chemical companies will increase '73 spending 20% —	May	2	0
Commerce Dept. survey	Mar	14	23
billion/year to boost capacity 11-30% by '76 — McGraw-Hill's 26th annual			
survey (charts, map & tables)	May	9 20	11
Capital spending Chemical spending buildup continues — Conference	June	20	3
Board study	June	6	21
domestic and foreign spending: a			
three-year scorecard — CW survey (chart & tables) Capital spending discussed at N.Y.	Jan	10	13
	May	30	14
Capital spending plans		17	13
ward Commerce Dept survey A Chemical industry profits will increase			14
Chemical industry profits will increase only slightly next year		30	9
Outlook great — but for how long? CPI sales and earnings — FTC report	. May June	16	21 15
Chemical Week 300 — report Chemical companies' net, up 20%, tops CPI in lest-quarter '72 (tables)	Eak	04	200
Top CPI companies were big winners in the '72 profit boom. Homer Starr	. Feb	21	29
(tables) First quarter a triumph for major CPI	. Apr	25	32
companies: margins are moving up		90	20
(tables) Corco: SEC looking into co's use of "true	May	23	32
industry values" instead of actual sales			

prices as the basis for about 74% of its reported earnings in '72	Apr	18	15	rities Week, newsletter	June		15	SEC okays forecasting F	an eb	24 14	12 24
	Mar	7	9	Monsanto's forecast at N.Y. Soc. of Secu-	May	23	17	SEC's set of rules that will require cos. to include more information in their annual reports seen as aid for competitors J	lune	13	18
Diamond Shamrock's decision to sell Pickands Mather was not financially motivated case Chairman Humber	Jan	3	7	rity Analysts: Hanley gives rosy report on second-quarter income Multinationals talk their way out of trouble	June	27	12	Shareholder meetings will air earnings forecasts and unmarked proxy ballot-			
Iollar crisis: CPI reaction	Mar	14	17	(chart & table)	Mar	28	18	ing	eb	28	13
low Chemical, borrow now, build later -	Mar	21	22	Nader's Raiders attack government regulation of industry in a new book "The Monopoly Makers"	June	6	21		eb	28	20
the thinking behind latest debt offer- ings	June	27	9	The new dollar: what it means to U.S.	Feb	21	15	specialty chemicals — report. Charles H. Kline (chart & tables)	lan	17	27
division's sales growing 20%/year				N.Y. financial analysts hear from Airco,			-	- letters	lan eb	31	21
during next five years, profits climbing twice as fast	May	23	44	72 was a very profitable year indicate	Feb	7	16	Stock splits, stock dividends, bigger		7	
low's Gerstacker says foreign countries should buy stock in big U.S. companies				preliminary financial reports Nixon's budget: less funding for environ-	Jan	3	12	Stocks: Chemical stocks — from doghouse	eb	10	12
to help offset our trade deficitN	May	16	17	ment, science, health	Feb	7	14	Stocks: companies purchasing their own	May	16	19
Oual prime rate system may make bank loans more costly	Apr	25	14		Mar	21	17	sharesN	Feb Mar	14	17
ment	Feb	7	9	Northwest Industries' Ben Heineman pre- dicts bright picture for '73	Feb	21	18	Tenneco Inc. plans capital and investment			13
Du Pont target: \$2 billion in overseas sales . Du Pont's outlook for '73 is "excellent"	Apr	- 4	43	Olin's Towey: Credits boost in special ties for company's chemical profit climb	June	13	18	UC cancels its \$300-million line of credit	Apr	25	
says McCoy	Mar	14	11	Operating results: some chemical process companies have included line-of-				with a group of banks	Jan	24	9
continue to rise during '73-'74, though				business operating information in their		21	22	big UC's outlook bright; Sneath says auto	Apr	11	24
housing starts and auto production will decline (charts)	June	27	10	'72 annual reports Outlook for '73	Mar Mar	28	22	seating, safety bumpers show promise	Mar	21	20
Europe: Capital controls are likely to be invoked by Comm. Market countries to				Outlook for '73: meetings of security analysts groups	Feb	14	24	as urethane markets Union Oil of California's '72 sales and			
check the flow of U.S. capital invest-	Mar	28	38	Overseas sales and capital spending	Mar	28	34	earnings; '73 forecast U.S. business is in deep trouble — View-	Mar	14	16
ments Europe: DSM's president Rottier calls for	IMM	20	30	PPG's '72 sales and earnings; '73 forecast . Phase III	Mar	14	16	point	Jan Mar	17	5
cooperation in planning new investment in Europe	Jan	10	48	How will Phase III affect the industry? Praise for Phase III	Jan	. 17	12	U.S. chemical industry is alive and im-	lan	3	9
FTC to publish a detailed product-by- product breakdown of every major CPI				Why Phase III makes us nervous -		24	5	UOP's Logan: From loss in '71 to profit in	Jan		
company's total shipment value; results				Viewpoint	Jan Jan	31	3	'72 and 'excellent outlook' for '73 Vietnam peace could have a major in-	Jan	10	18
will decide where antitrust investigators would spend their time	Feb	7	10	More freedom to manage (chart & table)	Jan	24	10	direct effect on the economyN Vietnam starts the long journey back	Jan Feb	31	9
Ferro Corp.: N.Y. analysts hear forecast Ferro Corp.'s sales and earnings in first	June	27	12	TLP agreements will remain in effect in Phase III	Feb	14	27	West German chemical investment plans			
quarter in '73 Filtrol Corp's dividends slashed in ap-	Apr	11	18	President Nixon's 5.5% pay-raise limit:		7		being reviewed	May	23	43 43
parent preparation for major acquisitions		0.7		A floor or a ceiling? Phase III controls will have a good deal	Mar	,	12	White House predicts a rapid pickup in the economy this year	Feb	7	10
and expansions Fisons' major growth areas: Europe, Japan	June	27	11	of influence on pricing decisions for the near term (charts)	Mar	14	24	Witco authorizes purchase this year of up			
and the U.S. Forecast '73: Recovery gains speed —	June	6	35	Congressional leaders are up in arms over the Administration's lax Phase III				to 200,000 common shares of Witco stock	Mar	21	24
report. Donald P. Burke (charts)	. Jan	10	25	controls	Apr	25	17	Finland — Chemical buildup; holdup in EC trade pact could upset schedule	Apr	25	28
Foreign forecast: World chemicals head for brighter future — report. Albert H.				Don't rule out tightening	Apr	25	1.44	Fire Retardants see Flame Retardants			
Kislin (charts) Foreign investment: Mandatory controls	Jan	24	25	nificantly affected by Nixon's edict slightly tightening the program	May	9	9	Fires			
on foreign direct investment have been extended for another 12 months	V Jan	10	9	Phillips Petroleum's '72 some gains, some				Ashland Oil Canada's fire completely demolishes resins and chemical division			
GAF's '72 sales and earnings; '73 fore-				losses: W. Douce at N.Y. security analysts meeting	Feb	28	19	operations BP Chemical International's ethylene plant	May	23	21
Georgia-Pacific: FTC consent order re-	Mar	14	16	Pollution control shapes up as a money- maker for some	Jan	10	35	at Baglan Bay fire; BP will be searching Europe for ethylene to supply down-			
quires G-P to transfer to Louisiana- Pacific Corp. about 20% of its assets!	V Jan	30	7	Profit margin rules: no sweeping changes in the Administration's controls pro-				stream plantsN	Feb	14	31
Goodyear's '73 first-quarter sales and earnings		11	18	grams this year	1 Jan	10	9	Cherokee Nitrogen's ammonium nitrate warehouse at Pryor, Okla., fire and			
Great Britain: spending trails off	. Apr	18	28	to CPI earnings (charts)	Mar	21	19	explosionN Cities Service's Levey Div. ink factory and	Jan	24	19
Gulf Resources' Allen: No company funds to persons involved in Watergate	May	23	23	R&D: Several programs will get the ax in the new budget	Jan	10	9	warehouse in Chicago destroyed by fire and explosion	June	6	28
Hercules foresees another banner year, President Brown tells shareholders at				R&D expenditures earmarked in the new budget	l Feb	7	10	FMC's persulfate plant at Tonawanda,	Mar	14	20
company's annual meeting	Mar N May	28	22	R&D spending: More research dollar may not buy more research — McGraw-				N.Y., explosion and fire		28	25
Houston Oil's annual meeting reports on		23		Hill Economics Dept., survey (tables) R&D spending in '71 — NSF study!	May Jan	16	55 32	Illinois processors face stricter controls as result of gas leak	Apr	4	24
'73 first quarter, capital expenditures Imoco-Gateway pulling out of chemicals.	N May	9	10	Research gets the word: if it doesn't fit			O.E.	National Steel's Weirton, W.Va., new coke plant blast spotlights coke problems	Jan	3	15
fCl's '72 sales and earnings, '73 outlook Institutional Investor Conference sees	Mar	14	30	— forget it — report. Donald P. Burke (chart)	. Feb	28	32	OSHA issues 11 citations for job safety		28	17
smooth sailing in '73	Mar	28	21	letters	. Mar	21	5	Puerto Rican substation fire causes com-		2	7
impact on '73 financing plans says				solid but slow-moving chemical firm into				plete shutdown of PPG's unitsN Fires see also Explosions	May	6	,
Interest rate hikes won't hurt	Jan	17		growth-oriented pacesetter, but he faces problems in diversifying into fibers				Fiame Retardants			
letter investment in employee health and safety	Apr	25	5	and health products (charts) Rohm & Haas' Gregory: 'In our industry,	. June	20	32	Cyanamid will make phosphine for use as a flame retardant	May	16	24
 first annual survey, McGraw-Hill Economics Dept. 	. May	30	15	we have best growth dynamics' St. Joe Minerals' '72 sales and earnings;	. Jan	24	12	Flammability charges from FTC against	-		
Investor Responsibility Research Center	·		.0	'73 forecast	. Mar	14	16	plastics could derail growth Urethane and styrene producers' agree-	June	6	21
Inc.: When a big stockholder fleeds facts — Viewpoint	Apr	4	5	Sales and earnings Fourth-quarter earnings: first reports				ment may set pattern for testing and terminology rules on other major			
Japan: fiber makers will increase capital outlays in fiscal '73; chemical producers	d			underscore '72 pickup Fourth-quarter and full-year '72: Three	. Jan	17	20	mesing	June	20) 1
will boost total capital investment Japan: 15% yen revaluation would wipe	May	23	23	come on strong Fourth quarter '72: Chemical profitability	Jan	24	15	Fuel additive to prevent fires after jet plane crashes showing promise	l June	13	4
out chemical trade surplus		28	23	is coming back in style (table)	. Jan	31	11	Great Lakes Chemical purchases Swift's Brominex line of flame retardants for			
Japan launches global plant buildup report (map & tables)	Jun	e 13	32	Fourth quarter '72: Profits make a strong finish (table)	. Feb	7	13	flexible urethanes N May 9-33 Intumescent paints are hot items in 1-r	. May	16	3 2
Japanese firms set fast worldwide sale and investment pace	S N Apr		41	Fourth quarter '72: Specialty companies lead the way in profit gains (table)	. Feb	14	25	coatings	. May	23	3 4
Kaiser's Maier at N.Y. security analys	t			CPI earnings will rise 12% in '73; profit- celling effect minimal — McGraw-Hill				Stauffer discusses commitments to the flame-retardant market at its annual			
meeting: predicts '73 profits will mon than double last year's	Jun	e 20	13	survey (charts & table)	. Mar	14		meeting Flies: Site selection studies for the world's	. Apr	25	5 1
Latin America: UC's Joseph Jones say economic nationalism will increase	0			Chemical units pace '72 gains (table) First quarter: Big first quarter for		11		largest screwworm fly-rearing plant are under way		20) 2
through the '70s Leverage leasing: Best way to finance	N Feb	14	31	chemicals (table) First-quarter '73: Off to a solid start	. Apr	25	17	Flocculants Sanyo increases capacity at			
pollution control projects?	. Apr	18	3 37	(table)	May	2	11	Fluorine Reed describes a new route for	R Feb	14	4 3
Louisiana: Delegation of top chemica management men convinces Louisiana	8			rally (table)	May	9	14	recovery of fluorine, released when proc- essing phosphate rock, AIChE meeting	June	e 13	3 4
chief executive to retain tax incentive for business (charts)	Fet	,	7 11	First-quarter: Big gains for smaller companies (table)	May	16	22	Fluorocarbons - Showa Denko plant at			
Louisiana: Selling the governor is ha the job — Viewpoint				Sales and earnings for individual com- panies see under company name in				Kawasaki			
			9	Company Index							
MCA's annual meeting: Slower growth i	Jun	10 13	3 18	SEC issues new rules on what corpora				Affa-Laval's foam scrubber to clean stack			

gases	May Mar	23 14	39 42	Emergency Petroleum Act of '73, author- izing the President to prepare a manda-				treatment plant	Jan	17	44
FTC charges, that the plastics industry				tory fuel allocation program, approved	June	13	19	battle in Germany, Sweden, over con-	Mar	21	49
widely misrepresented as "nonburning" some products that it knew since '67				'Gasohol' for Midwest? Methanol: Vulcan-Cincinnati's Methyl	Apr	4	24	BASF's capital spending plans for '73N		24	32
posed "serious fire hazards", could	Luna	6	26	Fuel; report on technique for burning				BASF's chemical workers to get wage			
General Tire's polyether-urethane foam	June	6	26	methanol to generate electricity at the A.B. Paterson station of New Orleans				hike of 10.6-10.8%, retroactive to Apr. 1	May	30	49
patent still holds	Jan	3	15	Public Service	Mar	14	37	Bayer's chemical complex near Bruns-		05	07
Olin's expansion in urethane chemicals and plastics	June	13	18	Needed: national chemical policy — Viewpoint	Apr	18	3	buettel scheduled to start this fall N Biological purification plant for industrial	Apr	25	27
				Nixon's energy message: Big changes in				and communal effluentR	June	6	35
Chemical Week 300 — reports. Homer				store for chemicals? Nixon's energy message: CPI lauds fuel	Apr	25	18	Chemical makers face higher wages and higher taxes N	Mar	7	33
Starr (tables) Feb 21-35, Apr 25-42,	May	23	32	supply boost, sees handicap in import		-	0	Du Pont's filament units at Uentrop, West			
Courtaulds test marketing, Kesp, a "syn- thetic spun meat" derived from soy-				Texas A&M researchers experimenting	May	2	9	Germany	Apr	18	31
beansN	May	5	31	with methyl alcohol as an imaginative				upR	Apr	18	29
FDA orders sweeping changes in food labeling	Jan	24	13	way to ease the projected gasoline shortage	May	23	18	East Germany's Leuna Works starts up LDPE plant	Mar	7	20
				Fungicides — FDA quarantines Louisiana				Ethylene and propylene plant started up .R		14	34
Delaney clause reprieve? Conference on				cattle with high hexachlorobenzene levels	Apr	25	21	Foreign forecast: World chemicals head for brighter future — report. Albert H.			
the Scientific Basis for the Delaney Amendment says "nay"	Jan	24	16	Furnaces — Paraho Development convinced its vertical kiln can be successfully adapted				Kislin (charts) Gelsenberg olefins complex at Muenchs-	Jan	24	25
Dynapol testing the idea of tying additives	Jani	24	10	to process shale N Apr 11-28	Apr	18	33	muenster, West Germany, onstream R	May	2	23
into a polymer, forming a molecule too large to be absorbed in the intestines. N	June	27	40	Furniture — PP structural foam frames for upholstered furniture from Hercules R	Anr	18	15	GAV's mining tunnel directly under Huels complex causes damage, but Huels			
FDA's ban on Violet No. 1 food color af-	Julie	21		ophosicido inititute nom nercoles	Abi	10	15	cannot sue either GAV or BASF	Feb	21	38
fects use of other dyes Hercules food additives stake boosted	Apr	25	52	G				Hoechst's workers win a 9.9% wage boost	May	9	20
with acquisition of Polaks Frutal Works								Petrochemical project for Emden pos-	May	9	29
and construction of CMC unit at Harbor Beach, Mich., plant	Feb	28	19	Gallium Arsenide Phosphide — Mini- calculator sales growth will boost market				sible	June	6	33
Liquor ingredients labeling rule could	1.60			for chemical components	Feb	7	27	reportR	Jan	24	32
mean switch in additives	May	16	31	Garbage — Power generation from garbage	Mar	7	43	Veba's refinery and petrochemical com-		44	
Saccharin: FDA extends the interim food additive regulation	June	13	14	will be tested in two citiesN	Mai	,	43	plex at Orsoy approved	Apr	11	20
Sodium nitrate is under attack as a food	Anr	10	10	Gas				being reviewedN	May	23	43
preservative	Apr	18	18	Airco plans air-separation plant near Albany, N.Y	May	30	37	West German chemical sales upN West German chemical wages upN		23 25	43
in processed meats	Apr	11	14	Air Products will build three plants to				West German Federal arbitrators will try to			
Food & Drug Administration					May	30	37	West German methanol plant at Gelsen-	Apr	11	25
Leading contenders for Commissioner C. Edwards' post	Mar	21	27	Algerian gas liquefaction units at Skikda closed due to technical problems N	May	2	28	kirchen-Buer	Mar	14	31
Schmidt, Alexander will be new head N	June	6	22	Bethlehem Steel's process recovers car-			-	creaseN		13	39
Weicker, Sen. would like to see the deci- sions of the FDA reviewed by outside				bon monoxide from fuel gasNi Cyanamid will make phosphine for use as	Feb	21	41	West German plastics production for '72 .R	Jan	24	32
panels of experts	Mar	14	17	a flame retardant	May	16	24	Glass			
FDA regulations, standards etc. see under specific products				Great Britain: gas strike may clobber Britain's chemical makers	Feb	21	37	Chemical Week 300 — reports. Homer Starr (tables) Feb 21-34, Apr 25-36	May	23	32
				Industrial gas: Expanding merchant sales				Container pricesN		25	30
Fragrances British perfume maker tackles U.S.				encourage industrial gas building boom	June	13	25	Guardian Industries expanding Carleton, Mich., plant	Mar	14	21
fragrance market	Mar	28	40	Korean air-separation plant near				Justice Dept. modifications of a 25-year-	IVIGII	1-4	21
Candle tragrances must meet special criteria	Jan	24	33	Pangojin	Feb	7	36	old consent decree, will ease antitrust restrictions imposed on three major			
Musk chemicals have the sweet smell of		-		Chicago, Ind., complex	Apr	11	19	glass producers	Jan	17	17
success	Feb	21	49	UC's air-separation plant in northern Texas	Feb	28	19	PPG expanding Ford City, Pa. fabrication plant	May	16	25
France				Gas see also Natural Gas and specific gas				PPG selects Witchita Falls, Tex., site for	,		
Bayer's insecticide plant at Marle on- stream	May	2	23	Gasification				float-glass plant Mar 14-16	May	30	15
Chemical sales increased about 12% in '72 N	May	2	24	Interior's pilot plant to demonstrate the				tainers	Apr	11	33
Directors of two companies, charged with	resease	-	24	feasibility of the Synthane coal gasifica- tion process developed by the USBM	Feb	14	66	Record \$130-billion construction year gives CPI healthy lift (charts)	Apr	4	21
manslaughter in connection with the accidental deaths of 41 babies treated				Northern Natural Gas and Cities Service Gas studying projected project for four				Glass Fibers			
last year with talcum powder containing				coal gasification plants and a 700-mile				Asahi-PPG joint venture	Apr	18	15
large amounts of hexachlorophene indicted	Jan	3	12	och will fund two-year pilot plant opera-	Mar	28	25	Certain-Teed Products' new six glass-		10	25
Elections over; chemical makers are				tion at Battelle Memorial Inst	Mar	28	25	Montedison's Vado Ligure plant, under a		18	
breathing easier	Mar	14	33	Texas Eastern Transmission and Pacific Lighting plan coal gasification plant on				license from Johns-ManvilleR PPG's Shelby, N.C., plant expansion	Mar	28	34
pacityN	May	16	27	a Navajo reservation near Farmington.				Apr 25-18R	June	27	15
Foreign forecast: world chemicals head for brighter future — report. Albert H.				N.M	Feb	14	66	Reinforced plastics win big everywhere	Feb	21	27
Kislin (charts)	Jan	24	25	Gasoline				Glycerin Outlook discussed at SDA convention	1	04	
LDPE capacity increase at CdF's Moselle plant	Apr	18	29	California rationing consideredN EPA plan calling for Calif. gasoline ration-	Jan	3	8	PricesN	Jan Mar	31	14
Nuclear units bought from GE		6	56	ing raises questions about implementing				Glycine — Posternergence herbicide, glyphosate			
Pechiney Ugine Kuhlmann expansion plans .N	Jan	24	31	the Clean Air Act of '70	Jan Apr	24	11 24	Glycol UC may build a plant in Taiwan N	Jan June	17	35 37
Petrochemical project considered by				Japan probably will delay its ban on the				Glyoxal — Glyoxal mystery: Where are the markets to support new capacity?	Jan	24	21
Du Pont	Jan	17	25	sale of unleaded gasoline N Lead antiknock fluids prices N	June	27	40 28	Gold — Price no object	May	30	13
Bordeaux planned F Soc. Nationale des Petroles d'Aquitaine	Apr	4	29	Lead's antiknock market heads for new		30	10	Goldby, Steven — Alza Pharmaceuticals' president: Chemist-lawyer takes new tack			
starts up ethylmercaptan and diethyl				peak (chart) Lead-in-gasoline: Common Market	May	30	10	in drug R&D	May	16	64
sulfide plant	May	2	23	countries may eliminate lead in gasoline	***		39	Great Britain			
against premature fiber buildup	Apr	11	25	by '80	Mar	14	39	Acetic acid plant at Hull, Yorkshire,			
				part of its regulations	Jan	3	8	BP Chemicals International's chlorine plant	Mar	14	31
Freight Rates Liquid chemicals shipment size limit set .N	May	30	37	catalytic converters for auto exhaust				at Bagian Bay, South WalesR		3	29
Nixon Administration's proposed changes				systems and will cut sales of tetraethyl lead and other lead alkyls	Jan	10	16	Chemical industry comeback Chemical production: 6% boost in first	May	23	45
in rate-making procedures of Northeast railroads will affect chemical ship-				Morton says U.S. is in for a gasoline	Jun	10	10	nine months of '72 reportedN	Jan	24	31
pers	Apr	4	31	shortage this summerN	May	9	20	boost		28	32
Ocean shippers who pay in dollars will be charged 10% higher rates	Feb	28	29	Generators — Nuclear Power Products will	May	30	11	Accept moderate pay increases. N	June	13	39
	1111			make steam generator equipment for	d ton	47	36	for the China trade	Apr	4	41
Fuel Canada: utility power plants in Alberta				HTGR nuclear plant systems	Jan	17	35	Countables plains expansion of nylon.			
will burn coal instead of gas	May	17	31 16	director: For him, a stitch in time saves		14	84	polyester and acrylic fiber units Ethylene: Norsk Hydro may join ICI in		28	15
Congress pressures Nixon to take action	. WEIT			milkons	. 100	14	04	building plant in England	Jan	24	31
on energy situation Costs: Higher power rates add to chemical	. Apr	18	14	ACHEMA preview: Early line on equip-				Exports and imports, first-quarter in '73 .R Fiber price increases are paving the way		28	34
producers' profit squeeze	. Jan	10	17	ment to look for at '73 show	. May	16	39	for major expansions N	June	20	20
Curtailed natural gas deliveries are forcing production cutbacks, spurring a search				Achema exhibition opens reflecting world problems	. June	27	14	Foreign forecast: World chemicals head for brighter future — report. Albert H.			
for alternate fuel sources. Hardest hit	-	-		Acrylic liber plant at Lingen	9 Feb	21	39	Kislin (charts) Government's pay-price freeze may	Jan	24	25
product: ammonia	. Feb	28	45	BASF and Ludwigshafen to build water				Torontal pay price freeze may			

benefit chemical firms	Feb	7	31	Hexachlorophene Deodorant-soap: FDA panel raises safety				dumping will be investigatedN East-West trade Brezhnev's visit: Catalyst for chemical	Jan	3	8
ICI faces tough labor demandsN	Mar	21	47	questions about hexachlorophene sub- stitutes	Feb	14	18	trade?	June	13	15
ICI's top-level labor-management com- mittee will help shape major corporate				France indicts officers of two companies charged with manslaughter in connec-				China: Beker Industries makes first sale of fertilizer by a U.S. company	Apr	11	1
decisions ICI's white-collar workers seek recognition	Mar	7	19	tion with the accidental deaths of 41 babies treated last year with talcum				China trade discussed at SDA con- vention	Jan	31	14
of the Assn. of Scientific, Technical				powder containing large amounts of				First U.S. chemical shipment leaves			
and Managerial Staffs as their nego- tiating agent	Mar	28	21	hexachlorophene Soapers take issue with FDA panel report	Jan	3	12	National Council of U.SChina trade to	Jan	31	15
ISC Chemicals' sulfuric acid plant at Avonmouth, Bristol	Eeh	14	34	on bacteriostat safety (table)	Feb	21	20	be held May 31 in Wash. Oxy signs fertilizer deal with Russians .N	May	30 18	14
Perfume maker tackles U.S. fragrance				Staph outbreaks raise pressure for end of hexachlorophene ban	Jan	31	14	Minor snag over financing procedures	May	23	24
market Phthalic anhydride plant at Hull, Yorkshire,	Mar	28	40	High-Energy-Fuel — Arosat process for pro- ducing jet fuel and low-aromatic solvents				Oxy-USSR agreement: metal finishing equipment for Soviet nickelR	Jan	3	16
being brought back into production A	Apr	4	29	developed	May	16	48	USSR deal that could bring 1 billion			
Potash mine at Boulby, Yorkshire, expects full production by '74	Mar	14	31	Hobbies — Do-it-yourself help mold candle- making into year-round business	Jan	24	33	cuft./day of natural gas to the U.S U.SChina trade could reach \$400 mil-	May	30	14
Shell's polystyrene plant at Carrington R Spending trails off	Jan Apr	18	29 28	Holography — RCA develops first holo- graphic optical computer memory that				lion in '73 says J. SobinN U.S. officials expect a healthy chemical	May	30	6
VCM shortageN	Jan	17	23	performs full-cycle data processing opera-	Feb	28	43	trade with China	Mar	7	10
1860				tions	May	30	47	European Common Market adds economic muscle with entry of U.K., Denmark and			
Esso Pappas' PVC capacity at Salonika plant expansion	May	23	46	Hydrocarbons				Fiber pressure easing (chart)	Jan Feb	28	20
LDPE: Franco-Greek syndicate plans plant		13	39	Nixon's energy message: Big changes in	Apr	25	18	Imports ease up — Commerce Dept.	Mar	21	21
at Corinth		2	23	store for chemicals? Paraho Development's process for re-	Apr	23	10	report French chemical trade balance improves .N	May	2	2
uadaloupe — French refinery project pos- sible	Apr	18	31	covering various hydrocarbons from oil shale will be studied	Mar	7	43	Great Britain's '73 first-quarterR Industry input to guide U.S. trade nego-	Mar	28	3
	. 40.			Paraho convinced its vertical kiln, used	· · · · ·			tiators is No. 1 topic of session of chem-			
ypsum Chemical Week 300 — reports. Homer				for calcining limestone, can be suc- cessfully adapted to process shale N	Apr	11	28	ical industry executives with Dent and EberleN	June	20	9
Starr (tables) Feb 21-33, Apr 25-36 Cyanamid proposing two alternative	May	23	32	Vertical kiln process may end oil-from-	Apr	18	33	Japan: 15% yen revaluation would wipe	Feb	28	2:
processes for titanium dioxide plant at				shale bottleneck Hydrochloric Acid — Israel asks Allied to	Api	10	30	out chemical trade surplusN Japanese know-how imports up	Jan	17	4
Savannah, Ga., that yield gypsum as recoverable by-product from sulfuric				compensate the state for what it calls "heavy losses" sustained at the Arad				Japan's surplus grows Man-made fiber imports dropN	Mar	14	2
acid wastes	Jan	10	16	chemical complex in the Negev desert	Mar	28	23	Michelin's radial tires made in Canada; US			
plant at Bom	Feb	7	36	Hydrochlorothiazide — Ciba-Geigy files suit against Zenith Labs. for infringement of its				Treasury imposes countervailing duties . Oil quotes	Jan	17	1
				HCT patent	June	20	16	Are two tiers better than one? Feedstock allocations possible	Mar	28	2
				Hydrofluoric Acid				Feedstocks and fuel: petrochemical			
н				Marathon Oil's alkylation unit at Texas City, Tex., refinery	Mar	7	16	makers' big problem areas	Jan	31	1.
anley, John Monsanto's new president				Swedish electrode provides more ac- curate pickling control		24	37	for-export bonus allocation for petro- chemical companies	Apr	4	2
receiving minimum \$400,000/yearR	Mar	21	24		Jan	24	01	New energy policy is a bad bargain —			
nalth				Hydrogen Maleic-based process for making tetra-				New oil import program will encourage	May	9	
Gelb & Sons' employees shown a film on cancer during working hours	June	27	14	hydrofuran	Apr	18	39	refinery construction in the U.S N Nixon's energy message: Big changes	Apr	11	1
Investment in employee health and safety — first annual survey. McGraw-Hill				center near Greenville, S.CR	May	30	15	in store for chemicals?	Apr	25	1
Economics Dept	May	30	15	Hydrogen Peroxide				Nixon's proclamation gives OIAB broad powers to grant "exceptional hard-			
Job-safety legislation see Law Kawecki Berylco's Hazelton, Pa., beryllium				Israeli plant planned	Apr	18	29	ship" allocations	Apr	4	2
refining plant strike: health is an issue Lead emitted from car engines a health	May	23	18	household laundry bleach	Mar	14	28	Petrochemical feedstock quotas author- ized under oil import rulesN	Jan	3	1
hazard believe two doctorsN	Mar	14	40	Rumanian plant contracts	Apr	18	29	Reins off until April Petrochemicals: Interior's OOG would	Jan	24	1
Lead exposure standard tightening recommended by NIOSH	Jan	31	13	Hydroquinone Carus expanding capacity at LaSalle, III.				modify import-for-export program N	Feb	14	1
OSHA see Labor Respiratory Disease Benefits Act intro-				plantR		28	23	Taiwan plans to increase purchases of a wide range of products from U.S. firms	Apr	11	1
duced by Sen. Taft, Jr	Mar	14	19	Mitsui's plant at Iwakuni-Otake works R Signat's plant at Bayport, Tex., shut down	June	20	19	Tire and tube imports outdistance exports (table)	Feb	14	2
SOCMA's Kent says zero in on the few chemicals that pose "unreasonable				and sold to Big Three Industries N	Feb	14	53	Trade bill see Tariffs Trade policy: Congress in no mood to give			
risk"N	Mar	21	17					Nixon blank check on trade	Jan	24	1
Staph outbreaks raise pressure for end of hexachlorophene ban	Jan	31	14					Trade Reform Act of '73: They're marshal- ling for GATT fight	Apr	18	1
Thermoluminescent devices/ new measure for radiation exposure	June	27	35	Imports				West German pharmaceutical sales in-			3
eat Exchangers - Van Huisen device				ASP see Tariffs				What new Congressional and Cabinet		13	
may help unlock geothermal energy re- serves	Feb	7	45	AFL-CIO leaders are stepping up their drive for stronger safeguards against				Incinerators — MCA report — "Plastics	Jan	10	1
eat Treatment — Flexible matting for heat- treating field welds by exomethermic				imports and stronger hand in trade — View-	Mar	7	12	Waste Disposal Practices in Landfill,			
chemical reaction	Apr	4	51	point	Apr	18	3	Incineration, Pyrolysis and Recycle"	Feb	28	5
savy Water				Balance of trade Big balance no trend Commerce				India	Max	7	2
Canada's plant will be fully operational	Apr	18	39	Dept. report	June	6	26	Acrylic fiber plant from JapanR Caustic soda plant at Nagda onstream . R	Jan	10	4
New Zealand feasibility study on the use	Aþi	10	33	Cheaper dollar boosts chemical trade balance — Commerce Dept. report				Dharamsi Moraji drops plans to build a diammonium phosphate plant at Nhava-			ŧ
of geothermal steam for the production of heavy water	Apr	4	41	(charts) Chemical surplus up: Commerce Dept.	May	2	19	Sheva	Jan	10	4
emwall, John — Inmont's v-p of corporate development: Mountain climber explores				figures (chart) More chemical trade? Commerce	Mar	7	13	Dimethyl terephthalate plant at Gujarat . R Fertilizer plans	Feb	30	
new ventures	Feb	7	48	More chemical trade? Commerce Dept.'s Bureau of International Com-				Fertilizer supply problemsN	Jan Jan	10	4
erbicides				merce report (chart)	Feb	7	14	Nylon plant planned	June	20	
Ansul will expand ANSAR organic ar-		40	05	Trade balance declines — Commerce Dept. report (table)	Apr	4	25	Shortages of several key chemicals loom .N Soda ash expansion at MithapurR	Jan	10	1
senical herbicides productionF Broad-spectrum cotton herbicide: price	May	16	25	Trade turnaround in June?N Dumping: alnico or ceramic magnets from	May	30	9	Soda caustic: Standard Mills boosts ca-			
boost is under fire	Apr	11	14	Japan not being sold in the U.S. at less				pacity	June	6	35
of chemicals for herbicidal activity	Mar	14	37	than fair value rules TreasuryN Dumping: Canadian kraft paper sales in the U.S. have not injured domestic pro-	Jan	3	8	Urea from JapanR	Feb	21	
The phasing out of farm subsidies could spur ag chemical sales	Feb	28	16	the U.S. have not injured domestic pro- ducers rules Tariff Comm	lan	3	8	Indonesia			
Postemergence herbicide, glyphosate N		17	35	Dumping: Canadian producers accused				Hoechst's finishing plant near Djakarta started up R May 23-46	June	6	;
Stauffer introduces Eradicane at its annual meeting	Apr	25	18	of dumping aluminum ingots Dumping: Canadian sulfur dumping probe	Feb	28	18	PP plant onstream	June	20	
"Safened" herbicidal formulation will		25	43	extended	Feb	14	27	Industrial Water & Pollution Control Con-	Jan	10	-
get a commercial test on corn				Dumping decision could set a precedent	Mar	14	12	ference & Exposition (1st): Counting com- plex cleanup costs	Mar	28	
barring EPA action	May	2	14	Canadian sulfur being sold in U.S. for less than fair value says Treasury N	May	2	18			-	
\$4.5 million/year in income	Apr	11	14	Dumping: Japanese chloroprene rubber	ay			Industry Development Acquisitions and mergers: for newsletter			
	Feb	14	27	Dept	June	20	22	and roundup items see under individual			
early '74 startup				Demains, Innasana suparture of our				company names in Company Index			
early '74 startup		27	15	thetic methionine concerle they had				Area development see Area Development			
early '74 startup F. F. Velsicol and 3M will jointly test and market 3M's patented Sustar 2-5 F. Hexachlorobenzene — FDA quarantines Louisiana cattle with high HCB levels	June	27 25	15 21	thetic methionine concede they had been dumping the product in U.S N Dumping: Japanese polychloroprene	May	2	18	company names in Company Index Area development see Area Development Israel pushes chemical buildup Japan launches global plant buildup	May	9	2

Mergers: Common Market setting up a	June	13	32	infectant labeling crackdown Montedison granted loan to finance re-	Jan	17	19	strict safety measures Molecular-sieves unit near Reggio Cala-	Jan	17	21
marriage bureau for companies that want to mergeN	May	2	24		May	2	23	Montedison expanding sulfuric acid pellet-	Mar	21	24
Aergers: Grimm & Co. reports Activity during '72	Jan	17	19	Mosquitoes: NAS report finds pesticide development not keeping pace with				izing plant at Follonica	Mar	14	31
Activity will accelerate in CPI this year .N	Feb Apr	21	13	increasing resistance to the products .	June	20	14	UhdeR	May	2	23
Aergers & acquisitions	Apr		20		Feb	28	16	Perchloroethylene plant at Porto Marghera at full capacity	Apr	4	29
Columbia Cellulose up for sale again; tentative agreement to sell some				States consider new environment re- strictions on CPI (table)	Mar	14	17	Petroleum-derived protein plant at Sardoch, Sardinia R	Mar	7	20
operations to Weyerhaeuser falls	Enh	21	18	Institutional Investor Conference sees				SIR projects in Sardinia, Sicily and		20	
Celanese still formulating specific	Feb	21	10	smooth sailing in '73	Mar	28	21	SIR's SBR plant at Porto Torres, Sardinia,	May	30	48
proposal regarding disposition of CCC	Mar	28	22	Lab computers do it faster	May	9	36	onstream	May	2	23
Celanese will sell ColCel to B.C. pro- vincial government (79%) and the				Pneumatic instruments, Quick-Scan 1400,				Torres, Sardinia, onstream R Styrene plant at Mantua R	Apr	4	29 46
subsidiary's minority holders (21%) .	Apr	11	19	Insulation - Alcoa develops low-cost route	Apr	18	39	Styrene plant at manua	Jan	10	40
Du Pont-Christiana Securities merger under scrutiny	Feb	14	26	to high-temperature alumina fiber	Feb	14	65	3			
Filtrol acquires PPG's Columbia Cement	June	27	11	has been engaging illegally in the insur- ance business by offering a company-paid							
Foote Mineral receives merger proposal		7		medical and disability benefits plan to				Aluminum makers delegation to survey			
from Newmont Mining	Mar May	16	15 25	employees	Feb	28	13	light-grade bauxite reserves in the Amazon basin	Anr	4	41
Gulf Resources buys the remaining 49% interest in Great Salt Lake Minerals				derivatives production will be discontinued by Du Pont	May	23	31	Ban on unleaded gasoline sales will			
from its partner Kali und Salz	May	16	24	Du Pont will continue productionN	May	30	37	probably be delayed	June	27	29
More details Hexcel's acquisition of Fine Organics:	May	23		International Auto Show — Alternatives to piston engine spotlighted	Apr	18	13	Chemical producers will boost total capital investment	May	23	23
another step in diversification IMC increases its stake in Sobin Chemi-	Feb	28	18	International Institute of Synthetic Rubber Producers — Powdered rubber wins				Chemical trade surplus grows	Mar	14	21
cals in a deal that Sobin hopes will				praise	May	23	25	Chemical wages up	Apr	25	27
provide a "launching pad" for further growth	June	27	13	International Isocyanate Institute — New industry group; will meet to develop a pro-				damage penalty assessedN Employees of 109 major chemical com-	Mar	28	32
Philblack will recommend that share- holders accept joint bid by sub-				gram for promoting isocyanates	Mar	21	23	panies negotiate a 20% raise, averaging			
sidiaries Cities Service and Phillips				International Purchasing Conference: High cost of energy	May	16	21	\$59/month, effective immediatelyR Enrichment Survey Committee shows in-	June	20	15
Petroleum	May	16	22	Inventories — Low-level inventories: Hedge against a downturn? (chart)	June	6	24	terest in plant that would give the Japan-			
Chemicals' Newport Div. R May 30-15 . Royal Dutch/Shell negotiating with Unie	June	6	25	Investor Responsibility Research Center, Inc.	OUTIO			ese access to European uranium enrich- ment technology if they will share capital			
Van Kunstmestfabrieken to sell as				When a big stockholder needs facts — Viewpoint	Apr	4	5	costs of new enrichment capacity N Epichlorohydrin to be produced by	Mar	28	25
much as 75% of its U.K. fertilizer sub- sidiary Shellstar	Mar	7	20	Ion Exchange — Swedish electrode provides more accurate pickling control	Jan	24	37	Hercules and Nippon Zeon joint ven-	Ann		20
Spain: U.S. chemical interests being re- shuffled	Mar	21	49		Juli	24	0,	ture	Apr	4	29
UC acquires 100% ownership of Bake-	11100	-	10	Abadan Petrochemical contracts Lummus				using UC technology plannedR Ethylene demand will be catching up with	Mar	28	3
lite Xylonite by buying out Distillers Co.	June	6	27	for PVC capacity expansionR	Feb	21	39	supply in the next few yearsN	Mar	7	3
lader's Raiders attack government regu-					Jan	3	25	Ethylene unit at Tomakomai, Hokkaido, site considered R	Feb	21	3
lation of industry in new book "The Monopoly Makers"	June	6	21	Shah's demand for full control of oil pro- duction and other facilities when agree-	,			Fatty acid ester plant plannedR Fertilizer producers persuade China to pay	Feb	7	3
pecialties. Think small to make it big in specialty chemicals — report. Charles				ments with oil producers expire in '79,				moreN	May	23	3
H. Kline (chart & tables)	Jan	17	17	could mean higher feedstock prices and fuel costs	Feb	7	31	Fiber makers will increase capital outlays in fiscal '73	May	23	2
J.S. chemical industry is alive and im-	John			frani, Ray — Olin's Chemicals Group v-p R&D: His research is directed to bottom				15% yen revaluation would wipe out chemical trade surplus	Feb	28	2
fietnam starts the long journey back	Feb	3 7	9	line	May	30	52	Firms set fast worldwide sales and in-			4
				Iraq				Foreign forecast: World chemicals head	Apr	4	4
imerican Can turning to ultraviolet-cured inks	Mar	14	39	Ethylene plant at Basrah approvedR Petrochemical complex at Basrah ap-		14	31	for brighter future — report. Albert H. Kislin (charts)	Jan	24	2
Chemical Week 300 - reports, Homer				proved	Mar	14	31	Gas centrifuge to separate uranium iso- topes	Jan	24	3
Starr (tables) Feb 21-31, Apr 25-35 Cities Service's Levey Div. ink factory and	May	23	32	treland Courtaulds plans integrated fiber and				H-M Plastics suit by Justice Dept. may	00.		
warehouse in Chicago destroyed by explosion and fire	June	6	28	textile complex at Campsie	May	2	23	cause Japanese to change their game plan for entering the U.S. market N	June	13	1
Ife magazine's demise won't hurt pro-				Courtaulds plans polyester fiber complex at Letterkenny, Donegal	Mar	21	47	Hot-melt adhesives plant in Tokyo R Hydroquinone plant R		21	5
ducers of printing chemicals	Jan	3	35	Du Pont's European project — sites under consideration include Northern Ireland				Iranian-Japanese joint venture complex			
mg	Feb	28	47	and the Irish Republic N	Jan	24	31	near Abadan, Iran	Jan	3	2
and Waterways				Du Pont expanding Orlon acrylic fiber facilities at Maydown worksR	June	13	21	report (map & tables)	June May	13	3
National Water Commission calls for user charges sufficient to cover operation				Manganese dioxide plant to be built by Mitsui N	Apr	4	41	Know-how imports up	Jan	17	4
and maintenance costs of keeping U.S.				retiric acto plant at Arklow		9	28	Kyowa Gas Chemical considering com- mercial production of DAMNR	Jan	3	2
waterways navigable National Water Comm.'s report running	. June	20	11	U.S. pharmaceutical makers plan projects	Jan	17	25	Nitric acid plant at Sumitomo's Niihama complex completed	June	6	3
into strong opposition from many water- way-using industries	June	27	13	Iron — Shortage shaping upN	May	2	18	Nylon capacity expanding		14	1
	. 00110			laccyanates				Nylon-12 monomer laurylactam plant R Apr 4-29	May	2	2
Shortages of equipment and of qualified			19	Bayer may drop plans for a plant in Australia	Feb	21	37	Para-xylene unit and ortho-xylene plant at Teijin's Matsuyama complex	Feb	21	3
	l Jan	3	1.00					Petrochemical building in Eastern Hemi-			
Shortages of equipment and of qualified tow operators hampering waterway insverseral. It frinity River canal bond issue defeated		-		International Isocyanate Institute, new in-					A	20	2
Shortages of equipment and of qualified tow operations hampering waterway movement in the control of the contro		3 21	18	International Isocyanate Institute, new in- dustry group, will meet to develop a program for promoting isocyanates	Mar	21	23	sphere will be dominated by Japan			
Shortages of equipment and of qualified tow operators hampering waterway recivement	N Mar	-		International isocyanate Institute, new in- dustry group, will meet to develop a program for promoting isocyanates. Monsanto researcher Unland reports infra-	Mar	21	23	Phenol and acetone plant near Osaka to start up	Jan	31	
Shortages of equipment and of qualified low operators hampering waterway. Traverment Traverment of the provided of the traverment of the provided of the sacticides. Aerial application of a biologic insecticide against the gypsy moth has been	N Mar	21	18	International Isocyanate Institute, new in- dustry group, will meet to develop a program for promoting isocyanates		21	23 68	Phenol and acetone plant near Osaka to start up	Jan May	2	2
Shortages of equipment and of qualified low operators hampering waterway. Trinity River canal bond issue defeated by Texas voters. secticides Aerial application of a biologic insecticide against the gypsy moth has been approximed. DOT see DOT.	N Mar	21	18	International Isocyanate Institute, new industry group, will meet to develop a program for promoting isocyanates. Mosanto researcher Unidad reports infrared spectra studies detect isocyanates on the surface of noble metal catalysts. Narael				Phenol and acetone plant near Osaka to start up N Plant sales to China N Power companies say they want to burn naphtha as fuel only to short peniods. N Protein manufacturing projects and li-	Jan May Mar		-
Shortages of equipment and of qualified tow operators hampening waterway. In the property of t	N Mar N Apr	21	18 28 23	International teocyanate Institute, new industry group, will meet to develop a program for promoting isocyanates. Monsanto researcher Unland reports infrared spectra studies defect isocyanates on the surface of noble metal catalysts. Narael Allied asked to compensate the state for				Phenol and acetone plant near Osaka to start up N Plant sales to China Power companies say they want to bum naphtha as fuel only for short periods . N Protein manufacturing projects and licensing technology pushed	Jan May Mar Jan	7 31	-
Shortiages of equipment and of qualified tow operators hampening waterway. In the control of the	N Mar N Apr R May N Mar	21	18	International tocyanate Institute, new industry group, will meet to develop a program for promoting isocyanates. Monsanto researcher Unland reports intered spectra studies defect isocyanates on the surface of noble metal catalysts. Narael Allied asked to compensate the state for what it calls "heavy losses" sustained at the Artid chemical complex in the	Feb	14	68	Phenot and acatone plant near Osaka to start up. Plant sales to China. N Plant sales to China. N Protein manufacturing projects and incensing technology pushed. R&D spending increased. Russia-Japan to discuss nuclear power.	Jan May Mar Jan Jan	7 31 17	-
Shortages of equipment and of qualified tow operators hampening waterway. Trinnty River canal bond issue defeated by Texas voters	N Mar N Apr R May N Mar	21	18 28 23	International taccyanate Institute, new in- dustry group, will meet to develop a program for promoting isocyanates Monsanio researcher Uniland reports infra- red spectra studies detect isocyanates on the surface of noble metal catalysts. N seal. Allied asked to compensate the state for what it calls "heavy losses" sustained at the Arad chemical complex in the Neger desert.				Phenot and acistone plant near Osaka to start up the start up that sales to China No Power companies say they want to burn naphtha as fuel only for short periods. No Protein manufacturing projects and iscensing technology pushed RAD spending increased Russia-Japan to discuss nuclear power development Northeric fibers demand Northeric fibers	Jan May Mar Jan Jan	7 31	3 24 2
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Shortages of equipment and of qualified tow operators hampening waterways traversers! Trinity River canal bond issue defeated by Texas voters secticides Aerial application of a biologic insecticide against the gypsy moth has been approximated. DDT see DDT France: Beyer plant at Marie onstream. If Monitor 4 banned by EPA PRESICUES. Administration has second thoughts on reimbursing pesticide makers for losees suffered as a result of segulatory. Bolivis Bumper year for ag chemicals Argentina and Boliva state oil agractice will build pesticides plant in Oruro, Biolivis Bumper year for ag chemicals California's Dept. of Agriculture tightens is pesticides permit system.	N Mar N Apr R May N Mar N Mar	21 11 2 14 7	18 28 23 23 10	International Isocyanate Institute, new industry group, will meet to develop a program for promoting isocyanates Monsanio nesearcher Uniland reports infrared apectra studies detect isocyanates on the surface of noble metal catalysts. Narseil Allied asked to compensate the state for what it calls "heavy losses" sustained at the Arad chemical complex in the Negev deserf. Chemical buildup pushed Hydrogen peroxide and sodium perborate plant jahanned. Methanol plaint starts up Plaint near Beersheba to produce pesticides, intermediates and pharmacoutical raw materials planned.	Mar May Apr Feb Mar	28 9 18 21	23 27 29 39	Phenol and accitone plant near Osaka to start up China Phant sales to China Power companies say they want to bum naphtha as fuel only for short penods . N Protein manufacturing projects and iscensing technology pushed R&D spending increased R&Baspending increased Russia-Japan to discuss nuclear power development . Synthetic fibers demand . N Synthetic fibers demand . Synthetic fiber production dropped 4% last year . Synthetic protein plants postponed . R US-Japanese urarium enrichment plant may be built . N	Jan May Mar Jan Jan May May Feb Mar May	2 7 31 17 16 23 7 7	3 24 24 32 4
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Kaolin — Georgia makes another try for an alumina-from-kaolin pilot plant	Mar	7	15	monomers and polyethylenimine polymers	May	30	37	Carter-Wallace's meprobamate: Supreme Court is asked to define the scope of			
Kirkpatrick, Sidney Farewell to Mr. Chemi-				Carcinogen chemicals: Rules too				meprobamate patent	May	2	13
cal Engineer	Mar	7	16	tough or not tough enough? Dow will be getting back into pro-	June	13	45	Ciba-Geigy files suit against Zenith Labs. alleging infringement of its hydrochlor-			
Korea				duction of ethylenimineN	June	20	9	othiazide patentR	June	20	16
Air-separation plant for HyundaiR Petrochemical buildup	Jan	7	36 45	OSHA: much done, much to be done — Viewpoint	June	13	5	Coastal restrictions block petrochemical and power projects (map)	May	30	45
South Korea starts new round of chemical				When the safety sleuth comes to call	JUNE	10		Congress pressures Nixon to take action	ividy	30	
building	June	27	39	report. Anthony J. Piombino	June	6	41	on energy situation Corco-PPG suit over oil costs in joint ole-	Apr	18	14
Kuwait				at Barberton agrees to discuss easing				fins plant in Puerto Rico	Jan	31	14
Desafination plant contract awardedR	May	9	28	of work rules	Jan	3	36	Anatomy of a lawsuit	Feb	7	15
Fertilizer Corp. of India negotiating for col- laboration in building ammonium phos-				Petroleum industry Amoco Oil and OCAW oil settlement				Penuelas plant will be back in produc- tion	May	23	24
phate plant in the Persian Gulf N	Jan	10	48	costly	Jan	10	17	Cosmetics: Eagleton bill wants premarket	-		
Fertilizer sold to China	Jan Apr	17 25	27	OCAW steps up pressure against some major oil producers	Jan	17	21	safety tests for cosmetic products, and ingredient labeling on cosmetic prod-			
Commission on Particular Control		7	-	More walkouts	Jan	24	15	ucts	Mar	21	24
				OCAW steps up pressure against Shell and Standard of Calif	Feb	7	17	DDT: Clarksdale, Miss., court says EPA's Ruckelshaus did not need to file an en-			
				Sun Oil's Marcus Hook, Pa. refinery				vironmental impact statement prior to			
Labeling				Shell's Denver plant: How much is	Mar	28	20	his decision to ban DDT	Jan	10	18
Cosmetics: FDA proposes that cosmetic ingredients be listed on each package	Feb	14	26	strike hurting Shell?	May	9	16	the Scientific Basis for the Delaney			
Eagleton bill calls for ingredient labeling				Shell-OCAW: tentative agreement signedN	May	23	15	Amendment says "nay" Deodorants and antiperspirants: FTC	Jan	24	16
on cosmetic products Food: FDA orders sweeping changes in	Mar	21	24	signed	May	23	20	orders eight manufacturers to document			
labeling	Jan	24	13	Shell's Houston refinery four-month strike				ad claims	June	6	26
FDA proposes that aerosols carry a label	Mar	21	24	settled	May	30	15	Detergents see Detergents Drug regulation: FDA powers affirmed by			
warning against inhaling the contents .R FDA proposes that labels on containers of	mat	21	24	tollowing ratification of new pacts	June	13	21	four Supreme Court decisions	June	27	15
household aerosol products containing				Phase III: President Nixon's 5.5% pay- raise limit: A floor or a ceiling?	Mar	7	12	Drugs see also Drugs Dyemakers: Justice Dept. subpoenaes			
fluorocarbon propellants include warn- ings against inhaling vaporsR	May	16	25	Railroad industry agreement negotiated .N	Mar	21	27	at least a dozen major dyemakers to			
Liquor ingredients labeling rule could				Respiratory Disease Benefits Act intro-				appear before a Newark, N.J., grand jury	Feb	14	17
mean switch in additives	May	16	31	duced by Sen. Taft, Jr	Mar	14	19	looking into alleged price fixingN Producers receive subpeonasN	Feb	21	18
cides, disinfectant labeling crackdown	Jan	17	19	mapping strategy against rubber			44	Ecology laws get test: case involving ICI			
Labeling, detergents see Detergents				giants	Apr	4	41	and a group of ecologists, may set new			
Labeling, drugs see Drugs Labeling, law see Law				had at a stiff price	Mar	14	18	limits on the use of the environmental impact statement; law banning dis-			
				Strikes Firestone and URW strike settled	June	27	14	charging of industrial wastes into navi-			
AFL-CIO leaders are stepping up their				Goodrich: Strike unlikely	Apr	18	15	gable waterways without a federal per- mit from the Army Corps of Engineers	Jan	3	14
drive for stronger safeguards against	Mar	7	**	URW strikes seven plants	May June	16	21	1899 Refuse Act: High Court overturns			
Air pollution see Air Pollution	Mar	7	12	Contract includes provision for an in-				decision restricting enforcement against PICCO	May	23	16
Allied's decision to bargain on a multi-				crease in pension benefits	June	13	21 15	El Paso divestiture of Pacific Northwest			
plant basis with USW has vital implica- tions for chemical managementN	May	16	17	Goodyear and URW reach tentative				Pipeline upheld by Supreme Court N Emergency Petroleum Act of '73, author-	Mar	14	23
Multiplant pact could pave way to com-				three-year agreement	May	2	8	izing the President to prepare a manda-			
pany-wide bargaining American Enka and TWU agree on a 2-year	June	20	14	Britain's chemical makersN	Feb	21	37	tory fuel allocation program, approved	. June	13	19
contractR	June	20	16	Hercules' Hopewell, Va., plant strike R	May	23	20	Environment see also Environment EEOC lawsuits alleging job discrimination			
BASF's chemical workers to get wage hike	Mari	30	49	tCl Australia's Botany complex strike causes some shortages	Mar	21	47	filed against several chemical process			
of 10.6-10.8%, retroactive to Apr. 1 N EEOC lawsuits alleging job discrimination	May	30	43	IMC's Esterhazy, Sask., potash mine and	F-h	24	21	France indicts officers of two companies	May	9	15
filed against several chemical process			45	mill strike ends	Feb	21	21	charged with manslaughter in connec-			
Ethyl Corp.: EEOC and United Paper-	May	9	15	lium refining plant: Health is a strike		00	18	tion with the accidental deaths of 41 babies treated last year with talcum			
makers International Union suing for				Missouri mines strikes cut lead suply	May	23	18	powder containing large amounts of			
alleged sex discrimination at Oxford, Me., paper plant	May	16	25	Amax Lead's walkout endedR		25	21	hexachlorophene General Tire agrees to pay \$10,000 civil	Jan	3	12
Firestone's E. Johnson, head of new	,,,,		100	Penn Central strike: crisis averted N West Germany: Federal arbitrators will	Feb	14	17	penalty stemming from Transportation			
Employee Assistance Program, helps solve problems that affect job perform-				try to head off chemical strikeN	Apr	11	25	Dept. charge that some of the com- pany's tires failed to meet '66 safety			
ance	Mar	28	42	Thermoluminescent devices: new measure for radiation exposure	June	27	35	standards	June	20	16
Forecast '73: Recovery gains speed — report. Donald P. Burke (charts)	Jan	10	25	West German chemical wages up N	Apr	25	27	General Tire awarded \$3.33 million in patent-infringement suit against Fire-			
German chemical makers face higher				World Trade Institute symposium: Or- ganized labor boosts Hartke-Burke,				stone	R Feb	14	27
Wages	Mar	7	33	scores multinationals	May	23	19	General Tire's polyether-urethane foam patent still holds	Jan	3	15
wage boostN	May	9	29	Laboratories Low-cost computers hooked up to analytical instruments automate tests				Hartke-Burke bill: World Trade Institute	Jen	3	10
Great Britain: government's pay-price freeze may benefit chemical firms N	Feb	7	31	from sample processing to final results	May	9	36	symposium: Organized labor boosts bill, scores multinationals	May	23	19
Great Britain: ICI white-collar workers seek	reu	,	31	Latin America — UC's Joseph Jones says economic nationalism will increase in Latin				Hartice-Burke-type legislation would cripple	iviery	23	18
recognition of the Assn. of Scientific,		19.50		America through the '70s	Feb	14	31	overseas operations, multinational cor-			
Technical and managerial Staffs as their negotiating agent	Mar	28	21	Laurylactam — Japanese nylon-12 monomer laurylactam joint venture R Apr 4-29 III		2	23	porations tell N.J.'s Congressional delegation	N Apr	4	1
Great Britain's chemical workers asking					ividy	2	20	Helium: Interior Dept. trying again to cancel			
for a 28% pay boost		28	32	Abbott's intravenous fluid lawsuit: com-				government helium supply contracts with three U.S. producers	. Feb	14	21
ICI faces tough labor demandsN	Mar	21	47	pany and executives indicted on 60				Illinois processors face stricter controls as			
iCl's top-level labor-management com- mittee will help shape major corporate				counts of marketing contaminated solu- tion in '72	N June	6	36	result of gas leak	Apr	4	24
	Mar	7	19	Air Products' Middlesex County, N.J.,				Jackson, Sen. bill to provide more money for non-nuclear energy research gaining			
ICWU pitches for Du Pont plantsR Japan chemical wages up	May	23	20	zoning ban challenged Air Products' suit in Florida against United	June	27	12		N Mar	28	2
Japan chemical wages up	Apr	23	61	Gas Pipeline to limit price increases	Jan	10	17	Lead-in-gasoline controversy see Gasoline Missouri court rules Monsanto has been			
ical companies negotiate a 20% raise.				Alaskan pipeline: another snag	. Feb	21	-21	engaging illegally in the insurance busi-			
averaging \$59/month, effective im- mediately	June	20	19	Administration will appeal court deci- sion barring construction and sponsor				ness by offering a company-paid medi- cal and disability benefits plan to em-			
Multinationals talk their way out of trouble				legislation to permit the enlarged				ployees	N Feb	28	1
(chart & table) Multinationals' respite	Mar Mar	28	18	rights-of-way prohibited by court	Mar Apr	7	10	Nader's Raiders attack government regu- lation of industry, in a new book "The			
NIOSH recommends tightening of lead				American Cyanamid faces suit brought by				Monopoly Makers"	N June	6	2
exposure standardOSHA	Jan	31	13	environmental group to prevent disposal of acid wastes from Warners, N.J. plant		2	14	New Jersey bill would give the state's			
Carcinogenic chemicals: OCAW, Nader				Amphetamines: Are combination ampheta-		-		EPA veto powers over proposed coastal projects	. May	2	1
group press for emergency measures	. Feb	7	41	mines "new drugs"? FDA challenging a		0	20	Nuclear power: Closing of 20 plants is the			
OSHA readying temporary stand- ards	Apr	25	43	temporary order restraining their recall . Antitrash bill: Muskie bill would give EPA		9	20	aim of environmentalists led by R. Nader and the Friends of the Earth	N June	6	5
OSHA issues work practice stand-				sweeping authority over solid-waste dis-				OSHA see Labor			-
ards for 14 carcinogens N EPA loses first round in battle over	May	9	9	posal and could create serious prob- lems for makers of packaging materials	Jan	24	13	Piermont, N.Y., suing Federal Paper Board and Continental Can for refusal to pay			
setting standards covering return of				Antitrust see Antitrust		-		local tax for '72-'73	. Feb	28	1
farm workers to fields that have been sprayed with pesticides N	May	9	20	Armoo Steel settles air pollution suit in Houston	A June	6	29	Plastics: FTC charges of flammability could detail growth	June		2
Alpha-napthylamine and derivatives				BASF is embroiled in three-way coun	-	3	20	Urethane and styrene producers' agree-		0	-
production may be discontinued .N Du Pont will continue to make alpha-	May	- 23	31	battle in Germany, Sweden, over con- struction of urethane plant	Mar	21	49	ment may set pattern for testing and	1		
naphthylamine and derivatives N	May.	30	37	Canadian chlor-alkali producers lose court		21	49	terminology rules on other major	. June	20	1
Dow stops production of ethylenimine				actions on mercury dumping charges		- 11	34	Poison Prevention Packaging Act '70:			

Child-resistant packages cause head-				Magnesium				Great Lakes Chaminally			
aches for specialties makers (table) Correction		21	55 35	Alcoa plans magnesium and silicon plant at Addy, Wash	N Jan	24	9	Great Lakes Chemical's president Emer- son Kampen: Long shot comes home			
 letter Pollution cases, legislation see Air Pollu- 	. Apr	25	5	Fluxless melting, new die-casting methods	-	24	9	for him	Feh	28	56
tion; Environment; Waste Disposal:				open new markets in structural applica- tions	Jan	17	24	Gulf Oil chemicals' role to be increased. It Hooker's chairman M. Messing retires;		7	9
Water Pollution Polypropylene patent case: Montedison is				NL Industries buys 10,000 tons from stock-	Jan	17	24	successor has not been chosen	V Jan	17	13
the winner	· Feb	14	68	pite Magnets — Alnico or ceramic magnets from	N June	6	21	ICI's top-level labor-management com- mittee will help shape major corporate			
RSR Corp charging St Joe Minerals with misrepresentation in connection with			-	Japan not being sold in the-U.S. at less				decisions	Mar	7	19
RSR's acquisition of Quemeton F	7 Feb	21	21	than fair value rules Treasury Maintenance — Latest computer hardware	V Jan	3	8	Inmont's v-p of corporate development, John Hernwall: Mountain climber ex-			
Respiratory Disease Benefits Act intro- duced by Sen Taft, Jr.				cuts chemical plant maintenance costs	Jan	31	35	plores new ventures	Feb	7	48
SEC rules companies must report all en-	Mar	14	19	Malaysia				Is professional unionism inevitable? — Viewpoint	Feb	28	5
vironmental suits brought against them				Activated carbon Japanese joint venture .l RRI's director Sekhar predicts that Malay-	7 Jan	17	44	- letters Mar 15-8. Mar 21-5	. Apr	11	4
Senate bill authorizing a program to con-	May	2	8	sia would meet its '75 production goal				(letter) Mobil sells fertilizer operations and poly-	May	23	5
trol salinity in the Colorado River may				of 1 million tons of natural rubber; high- lights some of the commercial and tech-				butylene business: plans to stop making			
give OSW new lease on life	N May	23	16	nical projects under way	. May	23	25	TPA, but will remain active in chemicals Montedison's private and government	Apr	11	20
tion and Congress headed for a con- frontation	-			Maleic Anhydride				owners will share control of the com-			
States consider new environment re-	Feb	14	28	Amoco will commercialize its butane oxi-				More of management moves into the en-	1 Apr	18	31
strictions on CPI (table)	Mar	14	17	dation route to maleic anhydride at Joliet. III., complex	1 AAm.	9	20	vironment picture — report. Irvin	-		
Strip mining bill would give the states the primary responsibility for regulating strip				Ashland plans plant in the Midwest	R May	30	33 15	Schwartz (chart) Northern Petrochemical's chairman and	Feb	14	57
mining Supreme Court examines rights of in-	Feb	28	17	Grace considers Puerto Rican project . I Maleic-based process for making tetra-	N May	16	17	president Merbert Samoson: Farmer			
dividuals in suing companies. Birming-				hydrofuran	V Apr	18	39	out to make profits grow Northwest Industries' Ben Heineman pre-	Apr	18	48
ham, Ala, suit will not be heard; oral arguments on Vermont case will be				Maleic heads for a double bind: polyester boom and shortage of feedstocks have				dicts bright picture for '73	Feb	21	18
heard Vernion case will be	. Feb	28	16	made supplies tight, detergent uses				Olin's Chemicals Group's v-p R&D Ray Irani: His research is directed to bottom			
Taxes: Three-way tax trouble brewing in			10	could make them tighter (table)	Apr	11	23	line	May	30	52
Congress, capital gains, foreign profits, minimum tax	Mar	7	11	Three new projects reportedly under study	N Apr	18	25	PPG bargains to boost productivity; union at Barberton agrees to discuss easing			
Thalidomide Agreement on damages in			11	Chevron, Petro-Tex and Amoco	Mar M	14	11	Of Work rules	Jan	3	36
Germany and England Thiokol's Woodbine, Ga, explosion trig-	Feb	7	15	Vistron piloting a maleic process using n-butylene	V June	27	40	Philadelphia Quartz's president Paul Staley: Architect-lawyer finds he's best			
gers damage suit	Feb	21	19		Julie	27	40	at management	June	27	48
Toxic Substances Control Act Nixon proposes stronger action	N Feb	21	41	Management Acquisitions and mergers see Industry				Research gets the word: if it doesn't fit — forget it — report. Donald P. Burke			
New round for toxic bills	Feb	28	17					(chart)	Feb	28	32
SOCMA's Kent says zero in on the few chemicals that pose "unreasonable				pany names in Company Index Alza Pharmaceuticals president Steven				Rohm & Haas: Gregory has changed solid	Mar	21	5
risk" Plea for selectivity in the testing of new	l Mar	21	17	Goldby: Chemist-lawyer takes new tack				but slow-moving chemical firm into			
chemicals	Mar	28	23	American Can's v-p. chemicals, William	May	16	64	growth-oriented pacesetter, but he faces problems in diversifying into fibers and			
Bill the chemical industry can "live with" is expected from Congress by		-		Sessions Entrepreneur sees romance in chemicals				nealin products (charts)	June	20	32
Sept says UC's Kenney N	Apr	11	28	American Hoechst president John Brook-	Feb	21	56	Rohm & Haas' Gregory: 'In our industry, we have best growth dynamics!	Jan	24	12
Chemical industry seeks limits on scope N				huis. His success is no fairy tale	Mar	7	52	Shareholder meetings will air earnings	our	2.9	12
Senate committee reports out tough toxic		23	15	Asarco's Forrest Hamrick optimistic for 73	Feb	21	18	forecasts and unmarked proxy bal- loting	Feb	28	13
substances control bill Trade bill see Teriffs	June	20	16	Arizona Chemical's president and chief		21	10	Specialties: Think small to make it big in	, 60	20	13
2,4,5-T: appeals court lifts injunction bar-				executive officer Joseph Schmidlein: On his toes in boardroom and ball-				specialty chemicals — report. Charles H. Kline (chart & tables)	lan	47	0.7
ring EPA action United Foam Corp.: Justice Dept. rules	May	2	14	room	Apr	11	40		Jan Jan	17 31	27
co. will be allowed to keep the 3 urethane				Burke-Hartke-type législation would cripple overseas operations, multinational cor-				Swift Chemical's president E. Vrablik: Picking winners in chemicals and			
foam plants it acquired from Stauffer, but will have to divest itself of the Comp-				porations tell New Jersey's Congres-				canines	June	20	40
ton plant	May	9	15	Sional delegation Celanese management reorganization:	Apr	4	17	Texize Chemicals' F. Lense: His game plan stresses quality, consistency	Mar	28	
Lend				John Macomber named president	May	2	13	UC's cost-cutting campaign is paying off	rvidi	20	48
Antiknock fluids prices	Mar	14	28	Celanese's v-p Robert Mitchell: His style	June	6	5	UC's executive v-p Warren Anderson:	Apr	11	24
Antiknock market heads for new peak (chart)	May	30	10		May	23	56	Former grid star now competes in tough			
Exposure standard tightoning recom	ividy			Celanese Plastics reports William Haude not being considered for high post				markets U.S. business is in deep trouble — View-	Jan	17	48
mended by NIOSH Grow-LEMSIP additive system may com-	Jan	31	13	{Correction}	Jan	3	7	point	Jan	17	5
Dat lead poisoning in children N	Jan	24	39	Chemicals pay top execs best: Conference Board's '72 Executive Compensation				U.S. seeks more minority hiring for top jobs	Mar	14	8
Lead emitted from car engines a health hazard believes two doctors N	Mar	14	40	Survey (table)	Jan	3	16		May	23	20
Lead-in-gasoline controversy see Gasoline				Chemische Werke Huels' president Karl Mönkerneyer: A late start didn't keep				USS Chemicals' president Duncan Mac- Lennan: He learned to work hard early			
Missour mines strikes cut lead supply. Outlook bright	lan	11	18		Mar	14	48	in life	Apr	25	56
Prices still strong	Mar	28	20	Crompton & Knowles' William Ferracone: When it comes to profits he's wide				What's a chemical president? — survey	Jan	10	43
Leasing				awake	May	9	40	Manganese			
Anaconda's aluminum plant in Sebree, Ky, to operate under leasing arrangement. N	Mary	2	20	Cyanamid's president James Affleck: His selection was a surprise especially for				ESB will reopen processing plant pur- chased from IMC	C-h	00	
Leverage leasing: Best way to finance	iviay	2	32	PHILI	Jan	3	40	Electrolytic manganese plant in South	Feb	28	19
pollution control projects? Offshore leasing and drilling programs to	Apr	18	37	Du Pont: 'Raiders' see progress, but con- tend many more changes are needed.	Mar	7		Manganese Dioxide Mitsui will build	May	30	15
	May	23	21	FURS environmental director lobo	taiet1	,	14	electrolytic MnO ₂ plant in Ireland N	Apr	4	41
Leather — Synthetics aim for bigger cut of shoe market	Mar	7	26	Georges. For him, a stitch in time saves millions	Feb	14	0.4	manganese Sullate Carus expanding ca-		00	00
Lense, Frederick - Texize Chemicals' v-n-	mdi	,	35	Du Pont's International Dent v-n Regiamin	100	144	84	pacity at LaSaile, III. plant	Mar	28	23
His game plan stresses quality, con- sistency	Mar	20	40	Schlimme: He wanted a trip and got the world	Apr			Manpower, Technical ACS: Alan Nixon takes office as president;			
Lighting GE looks for outdoor lighting to	restr	28	48	Engineers need a better job climate -	M	4	64	seeks broader job opportunities for			
boost polycarbonate markets Lithium Borate — Thermoluminescent de-	May	16	37	Viewpoint Enka's president B. Zevenbergen: Nation-	June	27	5	Demand for technical manpower will con-	Jan	10	15
vices: new measure for radiation exposure	June	27	35	alism took a back seat to economics	Jan	24	48	tinue healthy Deutsche, Shea &			
Lithium Fluoride — Thermoluminescent de- vices: new measure for radiation exposure	himn			FMC's executive v-p Raymond Tower: He's shooting for a better score in fibers.				Evans study N Deutsch, Shea & Evans' index for engineer-	Jan	3	32
Lubricants Antary engine: market for new	June	27	35	nati and chemicals	Jan	31	48	scientist demand N	May	16	47
car chemicals?	June	13	29	Firestone president Richard Riley: Tire				Engineers and scientists want a bigger voice in setting employment policies			
Luxembourg				executive doesn't act like a big wheel Firestone's E. Johnson head of new Em-	June	13	56	and practices	June	6	63
Du Pont's Mylar polyester film plant to be	Jan	17	ne	ployee Assistance Program helps solve problems that affect job performance		0.5		Engineers need a better job climate — Viewpoint	June	27	5
expanded	Apr	17	25 31	Freight Chairman George Burton: Vintage	Mar	28	42	Guidelines on professional employment	Jun 10		
	15			auto buff steers company in new direc- tions	harm		20	endorsed by 13 major engineering societies	May	16	47
M				GAF's corporate v-p, Simon Kantor: Bridge	June	6	76	is professional unionism inevitable? —		16	
A STATE OF THE STA				master seeks top score in research	Mar	21	64	- letters Mar 15-8, Mar 21-5, Apr 11-4	Feb	28	5
Machinery — New orders for chemical process machinery R Mgr 14-21 R	Anr	11	10	Goodyear's president Charles Pilloid, Jr.: He stresses fitness for himself — and				(letter)	May	23	5
MacLenna, Duncan USS Chemicals' presi-	Apr	11	19	U.S. Industry	Jan	10	56	U.S. seeks more minority hiring for top jobs in industry (table)	May	23	20
dent: He learned to work hard early in life Macomber, John — named president of	Apr	25	56	Gould Inc. executive v-p Edward David Jr.: The White House is a tough act to				Where will engineers come from? (chart)	June	27	43
Celanese	May	2	13	follow Great Lakes Chemical's Emerson Kampen	May	2	40	Manufacturing Chemists' Assn.			
	June	6	5	will serve as acting presidentN	Jan	10	10	Byrom wants negotiators to consult with		00	
								industry during the trade bargaining	May	30	12

	Jan	24	14	onine concede they have been dumping product in U.S	May	2	18	Gas Pipeline to limit price increases Chemical operations continue to be dis-	Jan	10	17
Meeting (annual): Slower growth in '74?	June Jan	13 24	18	Methyl-CCNU — Anticancer drug to be sold	Jan	10	41	rupted by shortages of natural gas	June	20	13
Plastics Waste Disposal Practices in Landfill, Incineration, Pyrolysis and Re-				Methyl Chloride — Dow develops process to make methyl chloride and carbon dioxide					May	23	32
cycle" report	Feb	28	51	from sodium chloride brine contaminated with acetic acid	Eah	28	43	Coastal States Gas' sharp curtailment of natural gas supplies hampers produc-			
chemicals' testingN	Mar	21	18		ren	20	43	tion along the Texas Gulf Coast N Curtailed n-g deliveries are forcing pro-	June	13	13
Tax stand: pat Toxic Substances Control Act: Plea for	Mar	14	16	Prices	Apr	25	30	duction cutbacks, spurring a search for alternate fuel sources. Hardest hit prod-			
	Mar	28	23	Rohm & Haas monomer expansion at Houston	Apr	11	19	uct: ammonia	Feb	28	45
Chemical industry seeks limits on scope	May	23	15	Methyl Parathion — EPA and USDA unveil education program aimed at helping					Feb	14	27
farine Specialties				farmers switch to DDT substitutes Methylene Diphenylene Diisocyanate —	Jan	17	19	FPC offer to gas industry; higher rates for more exploration	Mar	7	14
Sea whip harvesting doesn't affect the				Marles Kuhlmann's plant at BASF's	i.e.	3	20	FPC proposals for natural gas priorities could hurt industrial users	Jan	17	19
ocean's ecosystem says Upjohn's Hinman Zoecon's marine antifouling agent sought	May	9	32	Antwerp, Belgium, complex	Jan	3	29	FPC proposes natural gas from wells that began producing this year be sold at a			
to interrupt development of young				Mexico Bisphenol plant at CuernavacaR	Jan	24	32	single rate	Apr	18	9
barnacles		2	32	Petrochemicals: Mexico touts a petro- chemical Garden of Eden (map)	Mar	28	33	chemical producers' profit squeeze	Jan	10	17
1973", fifth edition issued	May	23	24	Pemex to license Asahi technology for HDPE plant	May	2	23	Illinois processors face stricter controls as a result of gas leak	Apr	4	24
possible	Apr	18	31	Phenol plant	Feb	7	36	ICI's pilot plant to make protein from methanol	Feb	7	39
	Apr	18	18	screwworm fly-rearing plant are under	home	20	00	LNG: El Paso-Algeria project won't help ease the U.S. energy crunch until early			
technique speeds odor study, pinpoints	Mar	14	35	Midwest Research Institute — Paper study	June	20	22	'76	Apr	11	13
potential control problems (table)	Mar	14	35	of the '70-'85 outlook for recycling Military Applications — Mine detection sys-	Mar	21	23	water to soak up the cold value of LNG .N	Jan	31	39
feat Courtaulds test marketing, Kesp, a "syn-				tem	May	2	26	LNG: Staten Island, N.Y., tank disaster will aggravate CPI's site selection prob-			
thetic spun meat" derived from soy-	Mav	2	31	Minerals Minerals-hungry U.S. is fishing for oddball				Moratorium on LNG?	Feb Feb	21	19
Sorbates are finished as preservatives in processed meats		11	14	ores (chart)	May	30	39	LNG: "world's largest" methane tanker, Gadinia, delivers first full cargo of LNG			
Swift's Chlor-Chill technique controls	Apr			report	May	16	47	to Japan Louisiana reserves: FTC taking several	Jan	24	15
Medical Developments - Pacemakers,	June	13	43	Mitchell, Robert — Celanese's v-p: His style calls for personal involvement	May	23	56	major oil companies to court to pry loose information to develop an anti-			
nuclear-powered Medical Developments see also Health	Apr	18	15	Molecular Sieves				trust complaintN	June	13	14
Melamine — Jeannette Corp. to buy plastic plant at Lake City, Pa., from Owens-				Process permits drying and desulfurization of olefin-bearing LPG streams, simulta-				Louisiana tax: Delegation of top chemical management men convinces Louisiana's			
Illinois	Jan	3	16	neously	Mar	21	41	chief executive to retain tax incentives for business (charts)	Feb	7	11
more accurate pickling control	Jan	24	37	planned	Mar	21	24	Louisiana tax: Selling the governor is half the job — Viewpoint	Feb	7	5
Secretary of Defense for installations and	June	13	19	molybdenum's future Mönkerneyer, Karl — Chemische Werke	Jan	3	18	McCulloch Oil's Canadian subsidiary starts delivery of gas	May	23	24
logistics	Julie	13	19	Huels' president: A late start didn't keep			40	Netherlands' prices being raised to slow			-
Cosmetics: FDA bans mercury use in				him from winning	Mar	14	48	Nixon's energy message: Big changes in	Jan	31	19
skin-bleaching preparations	Jan Apr	17	18	Monomers Acrylate: Rohm & Haas plant site will be				store for chemicals? Nixon's energy message: CPI lauds fuel	Apr	25	18
Water pollution Canadian chlor-alkali producers lose				determined by availability of feed- stocks	May	2	7	supply boost, sees handicap in import fee	May	2	9
court actions on mercury dumping charges	Apr	11	34	Japan Catalytic Chemical will supply know-how and catalyst	May	9	33	Norway approves pipeline from the Ekofisk oil field in the North Sea to Teesside.			
Chisso Corp.'s record pollution damage penalty assessed	Mar	28	32	Plant planned at Deer Park, Tex	June	27	15	England, and Emden, West Germany .N Feeds may be used in West Germany	May	9	29
Metallurgy — Hydrometallurgical methods	reicai	20	JE	pansion at Houston	Apr	11	19	petrochemical complexN Oxy and El Paso discussing deal that could	June	6	33
promise cheaper nonferrous ore re- covery	Apr	25	44	at Baton Rouge, La		28 28	17 29	bring 1 billion cu.ft./day of Russian gas to the U.S.		00	
Motals				VCM: BP Chemicals' Baglan Bay, South Wates shut down N	June	27	33	Prices: FPC approves applications by three	May	30	14
AMAX Nickel's metal refinery at Port Nickel, La., will be expandedN	Jan	17	35	VCM output soars but ethylene bind will	Apr	25	15	major independent producers to up.	June	6	22
Chemical Week 300 — reports. Homer Starr (tables) Feb 21-34, Apr 25-40	May	23	32	vCM shortage in the U.K	Jan	17	23	Procon gets contract for liquefaction plant at Arzew, Algeria, for Sonatrach R	Feb	21	21
Minerals-hungry U.S. is fishing for oddball ores (chart)	May	30	39	Morocco — West German companies and	May	2	23	Russians underline their needs of oil and gas industry; promoting NEFTA-GAZ			
Nixon calls for 90% slash in nation's com- modity stockpiles	Apr	25	16	Polimex plan phosphoric acid plant for Cherifien des Phosphates	Feb	28	23	EXPO '73	Mar	21	17
Nonferrous metals producers' profits are								chances brighten N SNG: Cities Service plant's definitive	Mar	21	17
on the rebound Nonferrous outlook bright: Conference	Jan	10	18	N				design will start shortlyN	May	23	40
Board's projections	Jan Mar	3 28	13	Naphtha				SNG: incremental feedstocks costs may be passed along to consumers who use	F +		
Methanol				India faces shortage	Jan	24	19	them to produce SNG	Feb	14	18
Alaska: U.SJapanese venture being plannedN	June	20	20	to burn naphtha as fuel only for short		-		catalysts	Feb	21	41
China will get petrochemical complex from France	May	23	40	Netherlands' cracker may be built in the		,	33	Charleston, S.C. R SNG: New projects will be built in conjunc-	Apr	18	15
Hegeman, G. of A.D. Little predicts				port city of Delfzijl	N Jan	10	48	tion with refineries SNG unit onstream at Harrison, N.J R	May	2	33 19
methanol ventures in the Mideast and North Africa will provide the impetus for				quitoes: report finds pesticide develop- ment not keeping pace with increasing re-				Texas' chemical process plants continue	right		13
large-scale petrochemical develop- ments in those areas	Mar	14	37	sistance to the products	. June	20	14	to be hit with power and natural gas curtailments	Jan	3	14
Houston Natural Gas plans plant in Saudi Arabia in partnership with Petromin	June	27	13	National Assn. of Purchasing Management — Annual International Purchasing Con-				U.S. reserves are 10% less than industry has estimated, says FPC studyN	May	23	16
ICI's pilot plant to make protein from methanol	Feb	7	39	ference: High cost of energy	. May	16	21	Netherlands			
Israeli plant starts up	Feb	21	39 25	paper deterioration is partly independent of fiber quality	N June	20	31	Du Pont's acetal resin plant at Dordrecht .N	Apr	18	31
Texas A&M researchers experimenting	100	21	20	National Cancer Institute — HEW and NCI launching a major research project at Fort				Foreign forecast: World chemicals head for brighter future — report. Albert H.			
with methyl alcohol as an imaginative way to ease the projected gasoline		00		Detrick, Md., to determine what common chemical substances may cause cancer.		13	20	Kislin (charts) Naphtha cracker may be built in the port	. Jan	24	25
Shortage Trinidad Grace plans ammonia-methanol	May	23	18	National Packaging Exposition — New resins,		-		Natural gas prices being raised to slow	Jan	10	41
Venezuelan venture	May	9	13	new processes take spotlight at show National Petroleum Refiners Assn. — Meet-		16	20	depletion of reserves	Jan	31	15
Vulcan-Cincinnati's Methyl Fuel: report on technique for burning methanol to				ing (annual): Getting a better handle on 80 feedstock costs	. Apr	11	26	to West Germany's ARG pipeline grid	Jan Jan	17	3
generate electricity at the A.B. Paterson generating station of New Orleans Public				National Science Foundation				Netherlands West Indies - International Salt		25	
A	Mar	14	37	Can NSF coordinate federal R&D?	N Mar	14	39	opens solar salt unit New York University — Laboratory for Ex-	. Apr	20	1
Service											
Methionine Belgian plant at Antwerp		31	22	Task force to study R&D on energy matters	N May	2	31	perimental Medicine and Surgery in Primates and Grow Chemical developing additive system that may combat lead			

lew Zealand — Feasibility study on the use				chemicals capacity at Sacramento,		45	45	Institute TRA seconds	Mar	21	23
of geothermal steam for the production of heavy water	Apr	4	41	Calif		18	15	Para-Tolunitrile — Lummus TPA process: How new process for making TPA reduces			
caragua — U.S. chemical companies send		17	18	Comm. reportN	Apr Mar	18	25	capital, operating costs	Apr	11	27
aid to stricken Nicaragua	Jan	17	10	Superconductivity: Will new organics leave		14	27	Para-Xylene			
Outlook bright; Inco outlines hopes for				metals out in the cold? Organophosphates — Monitor 4 banned by	Apr	11	30	Japanese unit at Teijin's Matsuyama com- plex	Feb	21	39
new markets	Jan	3	13	EPAN	Mar	14	23	Lummus TPA process: How new process for making TPA reduces capital, operat-			
Republic Steel's extraction process will permit use of new ores and will improve				Orgotein — Anti-inflammatory drug for treat- ment of humans	Feb	7	39	ing costs	Apr	11	27
recoveryN	Mar	21	42	Orthodontics — Clear polycarbonate			-	Toray Industries plant at Kawasaki starts upR	May	2	23
geria				brackets catch on as replacement for metal bands in orthodontics	Mar	7	47		way	-	20
Fertilizer complex at Kaduna	May	2	23	Ortho-xylene - Japanese plant at Teijin's				Patents Carter-Wallace's meprobamate: Supreme			
Seeking partners for petrochemical projects	Apr	11	25	Matsuyama complexR	Feb	21	39	Court is asked to define the scope of			
				Oxidation				meprobamate patent Ciba-Geigy files suit against Zenith Labs.	May	2	13
Itric Acid Italy: Friedrich Uhde plans plantR	May	2	23	Amoco will commercialize its butane oxi- dation route to maleic anhydride at				alleging infringement of its hydrochlor-			
Japanese plant at Sumitomo's Niihama				Joliet, III., complex	May	9	33	General Tire awarded \$3.33 million in	June	20	16
complex completed	June	6	35	first U.S. assignment	Jan	24	37	patent-infringement suit against Fire-			
proposed	Apr	25	20	Oxygen				Stone	Feb	14	27
Swedish electrode provides more accurate pickling control	Jan	24	37	Air Products plans plants R Feb 14-27 N	May	30	37	patent still holds	Jan	3	15
trite Ion - New method speeds screening				Brazil: Airco's air-separation plant near Sao Paulo	Apr	25	21	IPO: William Schuyler, former Patent Office chief, heads group to protect patents	Mar	7	14
of chemicals for herbicidal activity	Mar	14	37	FMC purchases the Marox process from				Polypropylene patent case: Montedison is			
trogen				Martin Marietta	June	14	68 25	the winner	Feb	14	68
Air Products plans plants R Feb 14-27N Brazil: Airco's air-separation plant near	May	30	37	Liquid oxygen pricesN		28	29		Apr	11	15
Sao Paulo	Apr	25	21	1				Perchioroethylene			
FI reports use up	Feb June	13	23 25	P				Italian plant at Porto Marghera at full ca-			
Indian tertilizer plans	reo	7	36	•					Apr	13	29
Liquid nitrogen prices	Feb Jan	28	29	Packaging Chemical Week 300 — reports. Horner					buno		20
Prices	Jan	10	20	Starr (tables) Feb 21-33, Apr 25-39	May	23	32	British maker tackles U.S. fragrance			
kon, Alan — New president of ACS; seeks broader job opportunities for chemists	Jan	10	15	DCAT looks at '73 FDA warns containers supposedly filled	Jan	24	13	market	Mar	28	40
onylphenol — Borg-Warner's plant at	-			with Pure-Pac epsom salt, may actually				Musk: Japanese process for making macrocyclic musk	Jan	3	31
Morgantown, W.VaR	Apr	18	15	Japanese joint venture: Crown Zellerbach	June	20	15	Musk chemicals have the sweet smell of			
orway				sells 50% interest to Dainippon Ink R	May	2	15	Success Permanent Waving — New hair styles boost	Feb	21	49
Pipeline from the Ekofisk oil field in the North Sea to Teesside, England, and				National Packaging Exposition: New				specialty chemicals for permanent waves	June	6	71
Emden, West Germany, approved N	May	9	29	resins, new processes take spotlight at show	May	16	20	Persulfate FMC's unit at Tonawanda N V	May	9	25
Feeds may be used in West German petrochemical complexN	hunn	6	33	Oral dosage drugs must be dispensed in				plant explosion and fire	Mar	14	20
Process mixes stack gases with sea water	Julie	0	30	Apr. 16, '74R	Apr	25	21	Pesticides see Insecticides	Mar	28	25
to produce a sulfate that can be dis-		40	25	Poison Prevention Packaging Act '70:							
posed of in the sea	Apr	18	35	Child-resistant packages cause head- aches for specialties makers (tables)	Mar	21	55	Petrochemicals			
ylon				- Correction	Apr	4	35 5	Australia: Dow and Mitsubishi considering South Australia site for petrochemical			
American Enka will expand its nylon fila- ment carpet yarn capacity	Jan	3	16	— letter	Apr	25	5	complexN	Apr	11	25
Du Pont expanding Nomex capacity at			0.7	Paint				Australia: Lone Star Exploration will under- take a feasibility study for petrochemical			
Richmond, Va	May	30	37	Chemical Week 300 — reports. Homer Starr (tables) Feb 21-31, Apr 25-35	May	23	32	complex at Broken HillN	June	13	39
shortage	May	16	29	Grow Chemical patents new method of		20	31	Benzene see Benzene Brazil achieves self-sufficiency in aro-			
Indian plant planned	Jan	17	33	making powder coatingsN Grow-LEMSIP additive system may com-	June			matics and some plastics, but locally			
PNW nylon Type XOS tailored for wet-laid				bat lead poisoning in children N ICI expanding operations at Slough,	Jan	24	39	made products are more expensive than imports (table)	Mar	14	29
nonwovens and specialty papersN Prices	May	13	32 23	BuckinghamshireR	Apr	18	29	Chilean government's controller rules that			
Shipments up Textile Economics Bureau				ICI licensed two Japanese makers to pro- duce nonaqueous dispersion auto				the Ministry of Economy's takeover of Dow operations at Concepcion last Oct.			
report Skylab I: Plastic shield ready to help cool	Apr	11	20	paintsR	Apr	4	29	was illegal	Jan	10	45
ofi Skylab	May	30	15	Intumescent paints are hot items in flame- retardant coatings	May	23	41	China will get big complex from France N Coastal restrictions block petrochemical	May	23	4
lylon-6 — Firestone will increase resin ca- pacity at Hopewell, Va	Mar	7	16	PPG's Oak Creek, Wis., and Milwaukee	way			and power projects (map)	May	30	4
lylon-12 — Japanese nylon-12 monomer				plants expansion Permite Corp.'s premixed surfactant sys-	Apr	28	18	Corco-PPG's Penuelas, Puerto Rico project: suit over oil costs	Jan	31	1
laurylactam joint venture R Apr 4-29R	May	2	23	tem, Banish, kills mildew on interior and				Anatomy of a lawsuit	Feb	7	
0				exterior surfaces	Jan	3	35	Penuelas plant will be back in produc- tion	May	23	2
U				Record \$130-billion construction year gives CPI healthy lift (charts)	Apr	4	21	tion Fatty acids see Fatty Acids	May	23	-
Odor Control				Singapore joint venture plant	Jan	17	14	Feedstock allocations possible	June	20) 1
Control for odors, Sanilan	. Mar	14	42	Paner				Feedstock quotas authorized under oil import rules	y Jan	3	1
UC's new measurement technique speeds odor study, pinpoints potential control				Canadian kraft paper sales in the U.S.				as distocks: AIChE New Orleans meeting		0.0	
problems (table)	. Mar	14	35	have not injured domestic producers	l lan	3	8	discusses feedstock, energy problems Feedstocks: National Petroleum Refiners	Mar	21	1
Dil shale see Shale Oil				rules Tariff Comm				Assn.'s meeting - Getting a better		1	
Dil & Fets				Starr (tables) Feb 21-33, Apr 25-39 Columbia Cellulose up for sale again;	May	23	32	handle on '80 feedstock costs Feedstocks: Rohm & Haas acrylate mono-	. Apr	11	1 1
Soybean oil prices Stauffer launches an egg substitute called	N Mar	14	27	tentative agreement to sell some opera-				mer plant site will be determined by			
Triet	N Jun	ne 20	22	tions to Weyerhaeuser falls through	. Feb	_ 21	18	availability of feedstocks	N May	2	2
Diefins				Celanese will sell ColCel to B.C. pro- vincial government (79%) and the sub-				Feedstocks and fuel: petrochemical makers' big problem areas	Jan	31	1
Canada's SOAP project: Dow drops out,				sidiary's minority holders (21%)	. Apr	11	19	French project considered by Du Pont!		17	
Du Pont and Polymer must now decide whether they want to proceed	N Mai	14	12	Lacquer-coated and silicone-treated papers for thermal printing	. Feb	28	47	Futures for chemicals? — ICI's Tholen re- vives his proposal		18	В
SOAP project isn't dead	N Man	y 30	9	Life magazine's demise won't hurt pro-				Germany: project for Emden, possible!	N June	9 6	6
Corco-PPG's Penuelas, Puerto Rico project: suit over oil costs	Jan	31	14	"Marketing Guide to the Paper and Pulp	. Jan	3	35	Hungarian expansions	R May	30	0
PERMITTY OF BERWINGE	. 780		15	Industry" - Charles Kline & Co	. Apr	25	17	export program	N Feb	14	4
Penuelas plant will be back in produc- lion	R Ma	y 23	24	Mead building paperboard mill near	R June	6	29	Iraq's ethylene plant and petrochemical			4
Du Pont boosting Tyvek capacity at Rich-				NBS study shows paper deterioration is				complex at Basrah approved Japan will dominate Eastern Hemisphere	re retair		
mond, Va	N Ma	y 30	37	partly independent of fiber quality	N June	20	31	petrochemical building	N Juni	e 21	
mueneter, West Germany, onstream .	R Ma	y 2	23		R May	2	15	Korea South Korea starts new round o	Jan	10	D
Molecular-sieve process permits drying	1			PNW nylon Type XOS tailored for wet-laid	N same			chemical building	Juni		
and desulfurization of olefin-bearing LPG streams, simultaneously	N Ma	r 21	41	nonwovens and specialty papers Potlatch Forests acquires Marcal's paper	1	2	32	Kuwait's complex planned	.N Apr	2	25
Puerto Rico Olefins complex at Ponce				mill and tissue-converting operation in	1	-	40	energy policies	.N Jan		3
shut down	N MB	y 2	1	Orange, Calif. Producers considering sulfur-free axyger		10	18	Mexico touts a petrochemical Garden of Eden (map)	of Ma		28
plex at Ponce	N Jur	ne 27	9	processes as an alternative to kraf	1		- 04	Nigeria seeking partners for new projects	N Apr		11
				Drocess	Mar	114	21	Nixon's energy message: Big changes i	27		
Organic Chemicals				Recycling: study of the '70-'85 outlook fo				Nixon's energy message: Big changes i store for chemicats?	Ap		25

supply boost, sees handicap in import fee	May	2	9	covery operations in Florida sold to Soc. des Participations GardinierN	Coh	7	9	consideration include Northern Ireland and Irish Republic	lan	24 3	31
Dil companies boost chemical outlays in	Mar	14	18	Detergent phosphates see Detergents FI reports use up			23	Du Pont looking for a titanium dioxide plant	eb	28 2	23
Oil import quotas see Imports Puerto Rico Olefins complex at Ponce shut				IMC acquires rights to phosphate re- serves in Fla. N May 23-31R			15	Fuel Desulphurization: Colonel's Island, near Brunswick, Ga., possible site for			
down	May	2	7	IMC lines up six big customers for fer-	May		27	heavy-fuel desulfurization refinery New Jersey bill would give the state's EPA	Vlay	23	19
plex at Ponce N Saudi Arabian-Japanese petrochemical	June	27	9	PPG's phosphate rock holdings are for	Mav	30	9	veto powers over proposed coastal	May	2	14
complex studied	Apr	11	25	Phosphate rock shortages will continue .N	May Mar		33 31	North Sea ethylene complex will be built	May	9	29
	Apr	4	17	Reed describes a new route for recovery	Aidt	21	01	Rohm and Haas acrylate monomer plant	,		
at Stenungsund complex	Mar	7	20		June	13	41		May	2	7
UC's Puerto Rico plant sets pollution con- trol pace	Apr	25	47	Seaboard Coast Line's Rockport, Fla., phosphate rock loading terminal shut				Plants — Dow's Midland, Mich., complex: Landscape plan is aimed at transforming		04	45
U.S. petrochemical industry survey sees healthy growth in the '70s	June	13	13	down by collapse of a huge loading boom	June	20	15		Feb	21	43
Venezuelan El Tablazo complex's first section opened	Jan	17	43	Swift agreement with IMC to purchase phosphate materials	Feb	21	21	Plastic Film Du Pont's Mylar polyester film plant in			
West Germany's Veba refinery and petro- chemical complex at Orsoy approvedR	Apr	11	20	Phosphine — Cyanamid will make phosphine for use as a flame retardant	May	16	24	Luxembourg to be expanded N Polyester: Eastman Kodak's polyester	Jan	17	25
etroleum				Phosphite — Organic phosphite capacity at Borg-Warner's Morgantown, W.Va.,				film base unit in Windsor, Colo R Polyester film prices	Feb May	14	27 32
Administration's new energy policies are working says C. DiBonaN	May	23	15		Apr	18	15	Polyester film will debut in Japan N PE: Consolidated Thermoplastics doubling	Apr	25	43
Alaskan pipeline: another snag Administration will appeal court decision	Feb	21	21		Jan	17	35	capacity of Chippewa Falls, Wis., plant R PP. Hercules expanding capacity at	Feb	14	27
barring construction and sponsor legislation to permit the enlarged				Phosphoric Acid				Terre Haute, Ind	May	16	25
rights-of-way prohibited by court N Set-back by Supreme Court	Mar	7	10 18	Buildup: producers ponder process choices	Jan	3	33	off Skylab	May	30	15
Chemical Week 300 — reports. Homer Starr (tables) Feb 21-32. Apr 25-37		23	32	Canary Islands plant: three Spanish firms		9	27	Plasticizers Foundated all plasticizers prices N	Mar	14	27
Chinese talks discuss exploitation of pos-	May	23	32	rying for government permission Fertilizantes Fosfatados Mexicanos will	May	3	2.		Feb	21	25
sible oil reserves in the outer continental shelf under the China Sea	May	30 17	14 16	buy phosphoric acid from Cie. Française de l'Azote N	Apr	18	25	Specialized resins demand lifts Europe's plastics additive sales (table)	Apr	4	33
Cold chills supplies Emergency Petroleum Act of '73, authorizing the President to prepare a manda-	Jan	17	10	Israel asks Allied to compensate the state for what it calls "heavy losses" sustained				ABS capacity of nearly 1 billion lbs./year			
tory fuel allocation program, approved	June	13	19	at the Arad chemical complex in Negev desert	Mar	28	23	is Borg-Warner's goal for '75R ABS resin prices	Mar May	21	24 28
European chemical makers fear a squeeze on oil supplies as a result of cutbacks				Kellogg-Lopker process proves phos- phoric acid manufacturing costs can				Asia: Raw-material shortages trim south-	June	20	18
in Mideast production and expanding imports by the US	May	2	24	Morocco: West German companies and	Jan	3	33	east Asia's plastics output Braces and synthetic resins eliminate the	Mar	7	47
FTC's chief Halverson says an antitrust complaint asking breakup of at least				Polimex plan plant for Cherifien des Phosphates N	Feb	28	23	'tinsel tooth' look Brazil achieves self-sufficiency in aro-	IMAI		41
one major oil company will be sent to FTC	June	6	22	Olin's Pasadena, Tex., plant will test travelling-belt filterN	Apr	4	47	matics and some plastics, but locally made products are more expensive than	**		00
Feedstocks see Petrochemicals Iran: Shah's demand for full control of oil				Spanish plant at Huelva expansionR Phosphorus — Pennsylvania's measure	Mar	21	50	imports (table) Butadiene: Producers can't keep up with	Mar	14	29
production and other facilities when agreements with oil producers expire				would prohibit the use of phosphorus as a cleaning agent in water (table)	Mar	14	17	rapidly growing demand Cellulosic plastics makers face capacity	June	20	21
in '79, could mean higher feedstock prices and fuel costs	Feh	7	31	Photography — Eastman Kodak hit with anti- trust suits	Ivida			shortages N Cellulosics plastics senior citizen sports	May	16	33
Labor contracts etc. see Labor — Petroleum industry	. 00		-	Bell & Howell	Jan Feb	17	21	youthful growth Chemical Week 300 — reports. Homer	May	9	21
LPG: Chemical industry consumption will top 10 billion gal, this year	Jan	3	19	Berkey Photo	Mar	9 21	13	Starr (tables) Feb 21-32, Apr 25-38 Coffee producer is running an in-house	May	23	32
LPG pipeline near Phillips refinery in Austin. Tex.: leak explodes	Mar	7		Phthalates — Plasticizer prices	Feb	21	25	evaluation on a plastic container N Engineering plastics prices	Apr Mar	25 21	30
Molecular-sieve process permits drying and desulfurization of olefin-bearing LPG	ividi	- '	15	Phthalic Anhydride BP's plant at Hull, Yorkshire being brought				Flammability charges from FTC could de- rail growth	June	6	26
streams, simultaneously Nixon's energy message. Big changes in	l Mar	21	41	back into productionF	Apr June	4 20	29 19	Urethane and styrene producers' agree- ment may set pattern for testing and			
store for chemicals? Nixon's energy message. CPI lauds fuel	. Apr	25	18	Grace considers Puerto Rican project N		16	17	terminology rules on other major resins	June	20	10
supply boost, sees handicap in import			0	Japanese-Iranian joint venture complex near Abadan, Iran	4 Jan	3	25	Foam see Foams MCA report — "Plastics Waste Disposal			
fee Offshore leasing and drilling programs	May		9	Pilliod. Charles Jr. — Goodyear's new presi- dent: He stresses fitness for himself — and				Practices in Landfill, Incineration, Pyrotysis and Recycle"	Feb	28	51
to speed up Oil companies boost chemical outlays in			21	U.S. industry	Jan	10	56	Packaging materials at National Packaging Exposition	May	16	20
Europe, cut back in U.S. (chart) Oil companies in the fertilizer business.	Ma	14	18	Piping				Pipe: increase in the construction in- dustry's use	Apr	4	2
some like it, some don't; all expanding in other chemical lines (table)	. Jar	17	15	Alaskan pipeline: another snag Administration will appeal court decision	. Feb	21	21	Pipe: thermoplastic pipe and fittings ship- ments soar (chart)	June	20	15
Oil quotas see Imports Oil shale see Shale Oil				barring construction and sponsor legislation to permit the enlarged				Pipe developed in Japan job hunting in the U.S.	May	9	34
Oil spills see Water Pollution Olefins see Olefins				rights-of-way prohibited by court	N Mar Apr	7	10 18	Polymerics replace fertilizers on oil com- panies' hit parade (table)	Jan	17	15
Pipelines see also Piping Price lid is no bafgain	Ma	r 14	20	Australian ethane pipeline controversy Esso-BHP delivers feedstock across				Prices		7	3
Russians underline their needs of oil and gas industry; promoting NEFTA-GAZ	1			Australian bay after two-year delar (map)	Feb	28	25	year	May	30	3
EXPO '73	N Ma	r 21	17	Canada studies feasibility of piping coal	-	2		Industry	N Jan	10	2
Shortage shaping up Texaco-Coastal States deal challenged by Justice Dept. antitrust suit	1	20		in-oil Illinois processors face stricter control	S			Record \$130-billion construction year gives CPI healthy lift (charts)	. Apr	4	2
Texaco plans refinery in Ontario	Jul		15	as result of gas leak			24	Reinforced plastics lift polyester to new high	Mar	28	3
271/2% oil depletion allowance restoration asked	N Ma	ur 21	17	LPG pipeline near Phillips refinery Austin, Tex. leak explodes	Mar		15	Reinforced plastics win big everywhere Skylab I: Plastic shield ready to help cool		21	2
Voluntary allocation system: Treasury' Simon is taking steps to keep petroleum	3			Norway approves pipeline from the Ekofis oil field in the North Sea to Teessid	e.			off Skylab Specialized resins demand lifts Europe's	May	30	1
allocation plan voluntary	. Ma	y 30	13	England, and Emden, West Germany Feeds may be used in West Germa			9 29	plastics additive sales (table) Thermoplastics: thermoforming fabrication	. Apr	4	2
Pharmaceutical Manufacturers Assn. European companies have increase					.N Jun	e	33	rapidly becoming a major market	N June R Jan	e - 20 24	
profits by diversifying into pharms ceuticals, are expanding at home an	d			bring 1 billion cu.ft./day of Russia natural gas to the U.S.	. Ma	у 3	0 14	Witco sets up polymer division, acquires PB Inc.; plans polybutylene plant	Feb	7	
U.S chemical companies send aid I	o Ar			Plastic pipe: increase in the construction industry use	AD		4 21	Plastics see also specific plastic Plating — Army's Rock Island, Ill., arsena			
stricken Nicaragua	Ja	in 1	7 18	Plastic pipe thermoplastic pipe and fitting shipments soar (chart)	gs Ju		0 15	will treat metal plating wastes in what i	S S		
Phenol Japanese plant near Osaka	.N Ja	ın 3		Plastic pipe developed in Japan job hur ing in the U.S.	N Ma	ıy	9 34	unit ever built for industrial use	Mar		
	.A F		7 36	Rotterdam-Antwerp area will have acce	68		7 44	Polishes — Wood-panel polishes; sales ma		18	
Mexican plant	.N M	lar -	7 37	to West Germany's APIG Dipeline Gric		1)					
Mexican plant Synthetic phenol prices USS Chemicals expanding capacity .	N M			to West Germany's ARG pipeline gric Plant Location	Jan Jan	n	, 41	Polybutylene			
Mexican plant	N M				cal		30 45	Polybutylene Mobil sells major portion of its polybutylen	e Apr	r 11	

of PB Inc.; polymer division set up; plant planned	Feb	7	17	
Plans plant at Tart, La	June	27	15	
more than 26% last year, led by safety glazing, lighting in areas of high vandalism	May	16	37	
Polychloroprene — Japanese dumping investigated	Jan	3	8	
Polycrystalline Silicon — Mini-calculator sales growth will boost market for chemical	Enh	7	27	
Components	Feb	7	27	
Polyester BP sells its fabricating business at Gloucester			00	
Canadian plant at Cornwall, Ont R	Apr	11 28	20 34	
Du Pont's projects in Luxembourg N Europe's synthetic fibers: from glut to	Apr	18	31	
shortage Courtaulds plans fiber complex at Letter-	May	16	29	
kenny, Donegal, Ireland N Fiber Industries will build polyester staple	Mar	21	47	
Inmont plans polyester resin complex at	Mar	7	16	
Maleic's best customers (table)	Feb Apr	21	21	
Michelangelo's Pieta repaired with help of polyester resins	Jan	24	34	
Monsanto's tire yarn plant at Decatur, Ala , will convert to production of nylon carpet				
and other fibers	Mar	21	24	
onstream at Valparaiso, Ind. R Polyester film will debut in Japan N	Mar	7 25	16 43	
Reichhold plans resin plant at Morris,	May	2	15	
Reinforced plastics lift polyester to new high	Mar	28	31	
Reinforced plastics win big everywhere Resins prices	Feb	21	27	
Russian polyester staple plant: Uhde beats	Apr	18	25	
out Chemtex for contract	May	30	49	
Synthetic fibers production: polyester heading toward 30% share of total fiber	Apr	11	20	
market (chart) Polyether — Belgium plant expansion R	Feb May	28	14	
Polyethylene	-			
BP Chemicals' high-molecular-weight polymers as materials for drums N	May	23	39	
Degradable PE bags from Finland N Dow's Colombian LDPE venture interest	Jan	24	39	
Du Pont's plant at Victoria, Tex. R	Jan Jan	17	25 16	
Pemex R	May	2	23	
HDPE: BP to up capacity at Grangemouth, Scotland plant R	May	23	46	
HDPE: Dow plans plant at Tessenderloo, BelgiumN	June	27	37	
HDPE: Gulf adding HDPE capacity to Orange, Tex., PE plant	Jan	17	18	
HDPE: Hercules, Mitsui dissolve U.S. PE- making partnership	May	23	19	
HDPE prices N Feb 14-53, N Feb 28-29, N Mar 14-28	May	23	31	
LDPE CdF will increase capacity at Moselle plant R	Apr	18	29	
LDPE Ethylene Plastique's unit at Lille- zone, France, onstream	Jan	31	22	
LDPE: Franco-Greek syndicate plans plant at Corinth, Greece	June	13	39	
to die	Feb	21	13	
LDPE: South African plant at Sasolburg dedicated R	Mar	28	34	
LDPE: UC Australia's plant onstream at Altona R	Jan	31	22	
Rouge, La., plant Rouge, Rou	May	9	17	
LDPE plant in East Germany R	May	23	43	
LOPE plant to be sold to Peking by Mitsubishi Petrochemical N	May	2	24	
Markets strong N Mar 7-37 . N	Mar May	21	31 27	
Output soars but ethylene bind will send prices soaring (chart)	Apr	25	15	
UC's Brazilian plant still beset by pro- duction problems	Mar	14	29	
UC's capacity buildup of ethylene oxide	Jan	17	13	
Polyimides — Upjohn's process produces its new polyimide 2080 in half the time . N Polyimocyanate — Bayer's chemical complex	Feb	21	41	
ried bronscoetter scheduled to stan this				
fall	Apr	25	27	
Polymers	Mari	22	20	
BP Chemicals' high-molecular-weight	May	23	39	
China shows little interest in buying U.S.				
polymers as materials for drume	Aug	9	15	
polymers as materials for drums	Aug			
polymers as materials for drums. N. China shows little interest in buying U.S. technology: remarks of H. Mark at N.Y. Overseas Press Club. Exicon develops new line of acid and non-acid modified ofelin copolymers and terpolymers. N. Tust additive to prevent fires after at olane.	Aug May	16	33	
polymers as materials for drums. N. China shows little interest in buying U.S. technology: remarks of H. Merk at N.Y. Overseas Press Club. Eixon develops new line of acid and non-acid modified olefin copolymers and terpolymers.	Aug			

or new or treet moch dendury	00110 10		
acid and non-acid modified olefin co- polymers and terpolymersN	May	16	33
	may	10	00
Polypropylene Amoco's Chocolate Bayou, Tex., capacity			
will be expanded		7	37
Houston for China	Jan	31	15
Taiwan	Jan	10	10
Tex. N Jan 3-7 R Indonesian plant onstream R	June June	6	29 19
Markets strong	May	2	27
Markets tight despite expansion (table) — letter	Mar	14 25	19
Mitsubishi looks for joint venture with an American partner	Feb	21	37
Patent tiff canacity shortage threaten PP	Feb	14	68
growth (chart & table) Scotland: Oil Refining Services revises	Apr	11	15
its application for oil refineryR	Mar	28	34
Polystyrene Dow plans plant at Joliet, IIIN	May	9	10
Monsanto's expandable polystyrene bead plant at Springfield, Mass	Mar	14	21
Prices N Feb 28-29N	May	2	28
Prices in U.K.	May	14	28
Richardson buys plant near Houston R Shell's plant at Carrington, England R Thermoforming fabrication rapidly be-	Jan	3	29
coming a major marketN	June	20	22
Polytetrafluoroethylene — Japanese process recycles scrap PTFE economically N	June	6	56
Polyvinyl Alcohol — Kuraray sells plant to China	Apr	4	41
Polyvinyl Chloride			
Capacity takes off (table)	Jan	31	13
tion plant at Lake Charles, La., three new			
PVC pipe plants and six glass-fiber plants	Apr	18	25
Esso Pappas will expand capacity at its Salonika plant	May	23	46
Salonika plant R Ethyl Corp, ups capacity at Tiptonville, Tenn. R	Apr	25	21
Goodyear will double canacity at Planue.		4	
mine, La	Apr May	16	29 17
Indonesian plant planned	Jan Feb	10	46
KemaNord's plant in Denmark	Mar	21	49
Monsanto shutting down units at Spring- field, Mass	Apr	11	13
Oxo alcohols get tight: plasticized PVC markets up demand for oxo. Plastic pipe developed in Japan job hunt-	Mar	21	29
ing in the U.S.	May	9	34
Robintech and Shin-Etsu Chemical plan PVC resin plant at Freeport, Tex R	June	27	15
Sweden: Kema Nord plans expansion at Stenungsund R		2	
Tenneco will expand PVC resin capacity	May		23
at Pasadena, Tex	Apr	4	37
large reactor technology licensed from Shinetsu Chemical	Apr	25	13
Poromeric Materials			
Jentra will be expanded by a new com- pany, Fleming Joffe Jentra LtdN	Feb	21	25
Synthetics aim for bigger cut of shoe mar- ket	Mar	7	35
Tanera, new material produced by Scott- ChathamN	Feb	21	25
Portugal Cia Uniao Fabril seeking govern-	100	6.1	20
ment approval for acrylic fiber joint venture with Mitsubishi	Feb	7	36
	May	30	47
Potash Boulby, Yorkshire, mine expects full pro-			
duction by '74 R Canada, Saskatchewan's prorationing plan: Central Canada Potash seeks	Mar	14	31
plan: Central Canada Potash seeks	1		
CCP loses another roundN	Jan Feb	31	19 53
may average us borsten sense refine.	June	13	23
ECC prohibits cooperation agreement between Soc.Commerciale des			
Potasses et de l'Azote Sarl and Kali und	June	20	20
FI reports use down	Feb	7	23
Prices	Apr	25	30
Ferro licenses Ruhr-Pulverlack's powder	Ann		40
coating technology Grow Chemical patents new method of	Apr	11	18
Powder coatings for use on glass con-	June	20	31
Larrers	Apr	11	33
Preservatives Sodium nitrate is under attack as a food			
preservativeN	Apr	18	18
processed meats	Apr	-11	14
Prices Anti-inflation action catches U.S. chemical			
industry with its operating costs up and			

its product prices down (chart) Base-point pricing systems are coming under a new attack by FTC; initial thrust aimed at seven big softwood plywood	June	20	12
aimed at seven big softwood plywood makers	Mar	21	27
Belgian chemical makers say price con-	Apr	25	27
trots are hurting business. N CW's stock prices and indexes (table) Jan 3-17, Jan 10-21, Jan 17-22, Jan 24-17, Jan 31-17, Feb 7-18, Feb 14-29, Feb 21-22, Feb 28-22, Mar 7-17, Mar 14-22, Mar 21-25, Mar 28-24, Apr 4-30, Apr 11-21, Apr 18-16, Apr 25-22, May 2-16, May 9-18, May 16-26, May 23-26, May 30-16, June 3-30, June 13-22			
Feb 14-29, Feb 21-22, Feb 28-22, Mar 7-17, Mar 14-22, Mar 21-25, Mar 28-24, Apr 4-30, Apr 11-21			
Apr 18-16, Apr 25-22, May 2-16, May 9-18, May 16-26, May 23-26,			
June 20-17	June	27	16
Chemicals apparently are not in line for threatened price rollback actions by the Cost of Living Council	June	27	9
Emerging finally from are of hargain.	Mar	14	24
basement pricing? (charts) Futures for chemicals? — ICl's Tholen revives his proposal	Apr	18	13
Great Britain: government's pay-price freeze may benefit chemical firmsN	Feb	7	31
Phase III Praise for Phase III	Jan	17	20
Viewpoint	Jan	24	5
More freedom to manage (chart &	Jan	31	3
President Nixon's 5.5% pay-raise limit:	Jan	24	10
A floor or a ceiling? Phase III controls will have a good deal of influence on pricing decisions for	Mar	7	12
the near term (charts) Congressional leaders are up in arms	Mar	14	24
over the Administration's lay Phase III	Apr	4	17
centrols N Don't rule out tightening N Chemical producers will not be sig- nificantly affected by Nixon's edict slightly tightening the program N Price controls may loster a rash of multiple-	Apr	25	14
slightly tightening the programN Price controls may foster a rash of multiple-	May	9	9
tier pricing, say chemical marketers N Raw materials, fuels costs pose new peril	June	27	33
to CPI earnings (charts)	Mar	21	19
Phase III	Feb	14	27
Dept. report	Feb	21	25 19
Dept. report N Prices nses Wholesale prices N Prices still climbing N Prices also see specific chemical, commodity	Apr May June	9	26 14
Prices also see specific chemical, commodity etc.			
Printing Chemical Week 300 — reports, Homer			
Starr (tables) Feb 21-31, Apr 25-35 Grace's process will permit 35-90 plastic	May	23	32
printing plates/hour to be made directly from a photographic negative by one operator N Life magazine's demise won't hurt pro-	May	9	34
ducers of printing chemicals Thermal printing: hot new process for	Jan	3	35
synthetic-fiber textiles (diagram)	Feb	28	47
Process Equipment Delivery times for process equipment —			
McGraw-Hill Economics Dept. study (table)	May	2	15
Steel shortage slows chemical construc- tion (table)	June	20	27
Product Development Du Pont reaps rewards of R&D invest-			
Research gets the word: if it doesn't fit -	Feb	7	9
forget it — report. Donald P. Burke (chart) — letters	Feb	28	32
Production	Mar	21	5
Chemical industry shipments rose 10%, to \$56.4 billion in '72' Commerce Dept's			
annual "Industrial Outlook" N Chemicals and allied products: Federal	Feb	14	53
Reserve Board over-all index Europe's industrial production will grow faster than that of the U.S. during the	Jan	31	13
next 10 years McGraw-Hill Economics	Mar	7	9
PTC to publish a detailed product-by- product breakdown of every major CPI	INTERI		9
company's total shipment value; results will decide where antitrust investigators			
would spend their time N Forecast '73: Recovery gains speed — report bonald P. Burke (charts)	Feb	7	10
Index drops	Jan June	10	25 15
and FRB indexes	June	6	27
Operanny rates — McGraw-Hill Economics Dept. reports (table) Feb 7-15, Mar 7-13, Apr 4-25, R May 16-25 — R Productivity: The professor's productivity lesson — Viewpoint Productivity soars — RI S's surpey	June	6	29
Productivity: The professor's productivity lesson — Viewpoint	May	30	5
Productivity soars — BLS's survey U.S. chemical industry is alive and im-	June	13	20
U.S. chemical industry is alive and improving	Jan	3	9

Propylene				'caretaker', White House maintains	Feb	14	22	operations	May	23	21
Austria's OEMV plans to spend \$4 million to double ethylene and propylene ca-				Rayon — FMC expanding capacity at Front Royal, Va., plantN	Anr	4	37	Braces and synthetic resins eliminate the 'tinsel tooth' look	Mar	7	47
pacities	Feb	14	34		- de			Cellulosics: plastics' senior citizen sports			
started upR	Feb	14	34 -	Reactors Liquid-metal fast-breeder reactor devel-				youthful growth	May	9	21
Sohio's propylene-to-acrylic process wins first U.S. assignment	Jan	24	37	Nation's first breeder reactor: dispute be-	June	20	15	include polystyrene plant at Joliet, Ill., and Tyril styrene acrylonitrile resin plant			
plex: End of an impasse	Mar	14	30	tween AEC and JCAE over contract terms	May	2	18	at Riverside, Mo	May	9	10
Propylene Glycol — Dow will boost its invest- ment in Brazil	Mar	7	33		,			between Reichhold and Dainippon Ink .R	Jan	24	32
	IAIGH		00	Refining Atlantic Richfield's refinery capacity				Inmont plans polyester resin complex at Greenville, O	Feb	21	21
Propylene Oxide Belgium plant expansion	May	2	23	boosts at Carson, Calif., and Phila- delphia	luno	20	16	Interplastic ups synthetic resins capacity	A		19
Dow will boost its investment in Brazil N	Mar	7	33	Canada: oil refinery project at Come-By-				Low-level inventories: Hedge against a	Apr	11	19
Oxirane's plant at Bayport, TexN	Mar	7	9	Chance, Newfoundland, delayedN Caribbean: French refinery project pos-	May	2	7	downtum? (chart) Mitsui agreement with ICI to take over ICI's	June	6	24
Prostaglandins				sibleN	Apr	18	31	TPX resinN	June	27	33
Sea whip harvesting doesn't affect the ocean's ecosystem says Upjohn's				Dow's ethylene needs may be filled by building crude oil refinery at either				Monsanto Polymers increases amino coat- ing resins capacity at Springfield, Mass			
Hinman Upjohn asks permission to market Prostin	May	9	32	Freeport, Tex., or Plaquemine, La Feedstocks see Petrochemicals	May	16	23		Mar	28	23
F2 Alpha for use in terminating preg-				Fuel Desulphurization: Colonel's Island,				onstream at Valparaiso, IndR	Mar	7	16
nancy during the third to sixth months , .	Mar	7	16	near Brunswick, Ga., possible site for heavy-fuel desulfurization refinery	May	23	19	Permanent-press resins hit by apparel in- dustry's switch to knits; glyoxal bids for			
Protein	l. ma	20	22	Neste awards contract to Lummus for				new markets	Jan	24	21
Egg substitute called Triet from Stauffer N ICI's pilot plant to make protein from	June	20	22	refinery in Finland New oil import program will encourage	Apr	25	28	Polyester resins prices	Apr	18	25
methanol	Feb	7	39	refinery construction in the U.SN	Apr	11	14	gives CPI healthy lift (charts)	Apr	4	21
Sardoch, SardiniaR	Mar	7	20	Pennzoil plans oil refinery on the Gulf Coast	June	27	15	Specialized resins demand lifts Europe's plastics additive sales (table)	Apr	4	33
Japan pushes protein Japanese synthetic protein plants post-	Jan	31	22	Petroleum refinery construction and ex- pansion projects planned by Ashland				Standard Oil (Ohio) awards license to manufacture and sell Barex 210 resin to			
ponedR	Mar	7	20	Oil, Pittson Co., Shell Oil and Standard				Lonza	Apr	4	29
Processed vegetable protein markets set to take off	May	9	26	Oil of California Standard Oil (Ohio) modernizing Marcus	May	2	9	Thermoplastics: Thermoforming fabrication rapidly becoming a major market N	June	20	22
Protein isolated from bakers' yeast is bidding to go commercialN		20	31	Hook, Pa., refinery	Feb	21	21	Urea-formaldehyde coating resins prices .N	Jan	17	23
	ourio	20	0,	to encourage refinery construction N		6	56	Reverse Osmosis			
Public Relations Air Products' Pensacola, Fla., plant once				Sun Oil's Marcus Hook, Pa., refinery strike	Mar	28 23	20	Army's Rock Island, Ill., arsenal will treat metal plating wastes in what is claimed			
plagued with pollution woes will have a			40	SNG: New projects will be built in conjunc-				to be the largest r-o unit ever built for			
U.S. business is in deep trouble — View-	May	23	40	tion with refineries West Germany's Veba refinery and petro-	May	2	33	Planned desalting unit may spur r-o equip-	May	2	35
point	Jan Mar	17	5	chemical complex at Orsoy approved Refractory Materials — Chemical Week 300	Apr	11	20	ment sales Single-pass desalting of sea water by r-o	June	13	17
Publisher's Page — CW Newswire: Now tune				- reports. Homer Starr (tables) Feb 21-34,		00	00	will be tried at Dow's Walnut Creek,			
in a daily chemical newscast	Mar	14	4	Apr 25-36	May	23	32	Calif., research center	Mar	14	39
Economic Development Administration . R Puerto Rico projects see under specific	Jan	24	12	Research Anti-inflammatory agents may work best if				executive doesn't act like a big wheel	June	13	56
chemical or company name				they're structured like ice	June	20	31	Rosin — Reichhold plans rosin-ester plant at Gulfport, Miss	May	2	15
Pulp				Ashland's multifunctional aminimides made by synthesis single-step bid for				Rubber			
Chemical Week 300 — reports. Homer				many jobs	Mar	28	26	Alcoa, Tenn., reservoirs don a synthetic			
Starr (tables) Feb 21-33, Apr 25-39 Columbia Cellulose up for sale again;	May	23	32	Can NSF coordinate federal R&D? N Canadian sulfur producers team up to		14	39	rubber coat Argentine rubber chemicals plant at	Apr	11	20
tentative agreement to sell some opera- tions to Weyerhaeuser falls through	Feb	21	18	Carcinogen chemicals: HEW and NCI	l June	27	33	Zarate	Apr	4	29
Celanese still formulating specific pro-				launching a major research project at				rapidly growing demand	June	20	21
posal regarding disposition of CCC Celanese will sell ColCel to B.C. pro-	Mar	28	22	Fort Detrick, Md., to determine what common chemical substances may				Chemical Week 300 — reports. Homer Starr (tables) Feb 21-32, Apr 25-38	May	23	32
vincial government (79%) and the sub- sidiary's minority holders (21%)	Apr	11	19	Carcinogen chemicals see also Labor	. June	13	20	Chloroprene rubber: Japanese dumping will be investigated by Treasury Dept. N	June	20	22
Hitachi bids for construction of pulp plant				OSHA				Consumption in '72	Mar	21	24
in China	Feb	7	36	David's departure from the post of White House Science Advisor signals a				Durkee-Atwood expanding its Red Wing, Minn., facilities	June	13	21
Industry" — Charles Kline & Co Producers considering suffur-free oxygen	Apr	25	17	dramatic shakeup in Administration policy	. Jan	17	18	Goodyear Shoe Div.'s first light-weight			
process as an alternative to kraft proc-				Du Pont reaps rewards of R&D invest-		-		solid-rubber shoe sole, made of Neolite, so light, it floats	June	13	19
Purchasing — Shortages of many key chem-	Mar	14	21	Du Pont's C.McCoy see new period of		/	9	Labor agreements, contracts etc. see Labor Powdered rubber wins praise at Inter-			
icals will trouble purchasing men during	lan	3	19	growth for science	May	16	47	national Institute of Synthetic Rubber	6.6m.	20	05
	Jan	3	19	in a bind for contract research; Inrescor				Producers Sales of stockpiled natural rubber worry	May	23	25
Pyrolysis MCA report — "Plastics Waste Disposal				institute will close Aug 1, reason, says Pfeiffer, is that companies have been				rubber marketers	Apr	4	37
Practices in Landfill, Incineration, Pyrolysis and Recycle"	Enh	28	51	emphasizing in-house, short-term projects	I Apr	11	28	Q. thermoplastic rubber complexR	Mar	7	16
Monsanto Envirochem's Landgard process	Feb	20		Flies; site selection studies for the world's	, wh		20	Silicone rubber used for making molds for candles	Jan	2	34
will get a commercial test in Baltimore .N	Feb	7	39	largest screwworm fly-rearing plant are under way	June	20	22	SIR's SBR plant at Porto/Torres, Sardinia, onstream R	May	2	23
R				Is professional unionism inevitable? —		11	4	Stockpile sales pile up worries (table)	Mar	28	20
n				letter	May	23	5	Stockpiles: Monthly rubber sales will be doubled	May	16	33
Radiation				Jackson, Sen. bill to provide more money for non-nuclear energy research gain-				Strikes see Labor Styrene butadiene rubber pricesN		20	07
Japanese process recycles scrap poly- tetrafluoroethylene economicallyN	June	6	56	ing support in the Senate	Mar Mar	28	25	Supplies of natural and cis-polyisoprene	Mar	28	21
Thermoluminescent devices: new measure	lune	27	35	Japanese R&D spending increase NSF task force to study R&D on energy	. Jan	17	43	rubber are snug, but not short; prices	Apr	4	37
for radiation exposure	Julio	- 61	30	matters		2	31	Uniroyal expansion: Sign of industrial		40	
Railroads Freight rates see Freight Rates				R&D: Several programs will get the ax in the new budget	4 Jan	10	9	rubber products turnaround? Uniroyal rubber products new installations	June	13	20
Freighter rams Penn Central Bridge, knocking out rail service to chemical				R&D expenditures earmarked in the new budget		7	10	include plants at Red Oak, la., Maryville, Mo., and Port Clinton, O. R June 6-29	June	13	20
plants	Mar	14	20	R&D spending: More research dollars may not buy more research — McGraw-				U.S. rubber industry rolls toward a record			-
Labor agreements, strikes see Labor Navy bomb shipment explodes in Rose-				Hill's Economics Dept. survey (tables) .	May	16	55	3-million-ton year (chart & table) Rubber Manufacturers Assn. — Statistics	Feb	14	21
ville, Calif. switching yard	May	9	13	R&D spending in '71 — NSF study! Research gets the word: if it doesn't fit —	l Jan	3	32	for '72 Rubber Research Institute of Malaya —	Mar	21	24
in rate-making procedures of Northeast				forget it — report. Donald P. Burke	Feb	28	32	Director Sekhar predicts that Malaysia			
railroads will affect chemical shippers N Seaboard Coast Line's Rockport, Fla.,	Apr	4	31	(chart) — letters	. Mar	21	5	would meet its '75 production goal of 1 mil- lion tons of natural rubber; highlights some			
phosphate rock loading terminal shut				Superconductivity: Will new organics leave metals out in the cold?	Apr	11	30	of the commercial and technical projects	May	23	25
down by collapse of a huge loading boom	June	20	15	U.S. is underinvesting in research, says	1	28	43	under way	iviay	23	25
Trouble ahead for chemical transport — report. John M. Winton (charts & table)		31	25	Du Pont's Theodore Cairns	1 1.60	20	43	General Tire will build radial-tire plant R	May	2	23
Rare Earths Rare earths may prove as				Regins				Hydrogen peroxide plant at Bucharest contracts	Apr		27
good as noble metals in catalytic muf- fiers	Apr	25	43	ABS see Plastics Ashland Oil Canada's fire completely				Overseas Private Investment extends its	- April	18	
Ray, Dixy Lee - New AEC chief, won't be				demolishes resins and chemical division				programs to cover projects in Rumania .R	May	9	28

				Dow stops production of ethylenimine				laws for hazardous-materials shipping	May	16	23
Agricultural crisis	Mar	21	47	monomers and polyethylenimine polymers	May	30	37	Liquid chemicals shipment size limit set .N Mississippi flooding and high water cause	May	30	37
importN	May	23	43	Carcinogen chemicals: Rules too tough or not tough enough?	June	13	45	serious disruption of chemical ship- pingN	ngA	11	22
BASF negotiating the sale of three chemical plants	Mar	28	32	Dow will be getting back into produc-				Chemical shipping is in a messN	May	9	25
Brezhnev's visit: Catalyst for chemical	Luna		16	tion of ethylenimineN OSHA: much done, much to be done —	June	20	9	National Water Commission calls for user charges sufficient to cover operation			
trade? Chemical production rose 11% in the first	June	13	15	Viewpoint	June	13	5	and maintenance costs of keeping U.S.			
two months of '73	Mar	28	34	When the safety sleuth comes to call — report. Anthony J. Piombino	June	6	41	waterways navigable Report running into strong opposition	June	20	11
ENI's pact with the Soviets	Mar	28	32	Oral dosage drugs must be dispensed in	ouno		-	from many waterway-using industries	June	27	13
year by '75 will be met	Mar	28	32	child-resistant safety packages by Apr. 16, '74	Apr	25	21	Petrolane building LPG terminal in Los Angeles harbor area	Feb	7	17
Japan-Russia to discuss nuclear power development	May	16	27	PPG's chlorine-caustic soda plant in		-	-	Seaboard Coast Line's Rockport, Fla.,	. 00	(3)	
LDPE plant for Ukraine	May	23	43	Puerto Rico picketed following the plant's second chlorine leak	Jan	10	16	phosphate rock loading terminal shut			
Montedison would sell the Soviets chem- ical plants and technology, take pay-				Pipeline safety see Piping	Jan	.0	10	down by collapse of a huge loading boom	June	20	15
ment in basic chemicals and inter-		_		Poison Prevention Packaging Act '70: Child-resistant packages cause head-				Superports: Delaware Bay plans get boost	Jan	24	16
mediates N Oxy and El Paso discussing deal that could	Mar	7	33	aches for specialties makers (tables)	Mar	21	55	Trouble ahead for chemical transport -			
bring 1 billion cu.ft./day of Russian		00		- Correction - letter	Apr	25	35 5	report. John M. Winton (charts & table) Shipping see also Barges ; Railroads ;	Jan	31	25
natural gas to the U.S. Oil and gas industry needs underlined;	May	30	14	Pollution control see Air Pollution;	, apr		-	Tankers; Trucks			
NEFTA-GAZ EXPO '73 promotedN	Mar	21	17	Environment; Water Pollution Respiratory Disease Benefits Act intro-				Shoes			
Pollution control: Russia's crackdown on pollution may generate U.S. equipment				duced by Sen. Taft, Jr	Mar	14	19	Goodyear Shoe Product Div.'s first light-			
tales	Jan	17	38	Staph outbreaks raise pressure for end of hexachlorophene ban	Jan	31	14	weight solid-rubber shoe sole, made of Neolite, so light, it floats	June	13	19
Polyester staple plant: Unde beats out Chemtex for contract	May	30	49	Thermoluminescent devices: new measure		0.7	05	Poromeric materials: Jentra will be ex-	-		
	Feb	21	38	for radiation exposure Thiokol's Woodbine, Ga., explosion trig-	June	27	35	chatham producing a new material			
Siberian natural gas: U.S. development chances brighten	Mar	21	17	gers damage suit	Feb	21	19	called TaneraN	Feb	21	25
Sulfuric acid plants bought by Techmash- import N	May	23	43	Salt				Silica — Cabot's division hikes capacity for furned silica at Tuscola, III	Mar	21	24
Trade see also Exports and Imports	rendly	20	43	Cargill supplying salt customers from in-				Silicon - Alcoa plans magnesium and silicon			
East-West trade U.S. and Russian agreement for coopera-					Mar	28	27	plant at Addy, Wash	Jan	24	9
tion on water pollution control tech-				International Salt opens solar salt unit in Netherlands Antilles	Anr	25	19	DelfzijiR	Jan	24	32
nology You think you've got overcapacity! —	Apr	4	53	Little, Arthur D. report concludes salting	Apr	25	19	Silver — Asarco's electrolytic copper re- finery near Amarillo, Tex., main by-product;			
Viewpoint	*		-	on snow and ice on highways should				silver	Mar	14	19
Socialism plus electricity — letter	Jan	10	5	continue, but the practice has to be limited	Feb	14	68	Singapore — Petrochemical complex: Sumi- tomo's Hasegawa trying to interest other			
•				Sampson, Herbert — Northern Petro- chemical's chairman and president:				Japanese chemical makers in his plan	Mar	7	20
S				Farmer out to make profits grow	Apr	18	48	Soap			
Saccharin				Saudi Arabia				Chemical Week 300 - reports Homer	160	00	
A ban on saccharin?	Mar	7	13	Houston Natural Gas plans methanol plant				Starr (tables) Feb 21-31, Apr 25-35 Deodorant-soap FDA panel raises safety	May	23	32
FDA extends the interim food additive regulation	June	13	14	in partnership with Petromin Japanese-Saudi Arabian petrochemical	June	27	13	questions about hexachlorophene sub- stitutes N	Feb	14	18
FDA's rat-feeding study could mean the end for saccharin	May	30	12	complex studiedN	Apr	11	25	Soapers take issue with FDA panel report			
	ividy	50		Schlieder, Willy — Common Market anti- trust chief has his eye on U.Sowned as				on bacteriostat safety (table) Soap & Detergent Assn. — Convention high-	Feb	21	20
Safety Airport security: new market for chemicals .	May	2	25	well as European firms	Feb	14	33	lights: China trade, glycenn outlook	Jan	31	14
- letter	June	20	5	Schlimme, Benjamin — Du Pont's Inter- national Dept. v-p: He wanted a trip and				Society of the Plastics Industry			
Automobiles see Automobiles Deodorant-soap: FDA panel raises safety				got the world	Apr	4	64	Plastics production statisticsN	Jan	10	23
questions about hexachlorophene				Schmidlein, Joseph — Arizona Chemical's president and chief executive officer. On				Reinforced plastics win big everywhere	Feb	21	27
substitutes	Feb	14	18	his toes in boardroom and ballroom	Apr	11	40	Sode Ash Allied expanding operation at Green River,			
Drugs see Drugs				Schmidt, Alexander — New head of FDA .N	June	6	22	Wyo.	Feb	7	17
First annual survey of investment in em- ployee health and safety — McGraw-				Scotland HDPE: BP to up capacity at Grangemouth				FMC expanding capacity at Green River, Wyo	Mar	14	28
Hill's Economics Dept.	May	30	15	plant	May	23	46	ICI's finishing plant to be modernized R Olin's Saltville plant, mineral rights and	May	23	46
Food additives see Food Additives FDA warns containers supposedly filled				Oil refinery at Hunterston application re- vised R	Mar	28	34	\$600,000 will be given to the town	Jan	10	17
with Pure-Pac epsom salt, may actually contain potassium nitrate	June	20	15	Sea Whip Harvesting sea whip doesn't	IVIGI	20	04	PPG's Barberton, O., planned shutdown of synthetic soda and related operations			
Fuel additive to prevent fires after jet plane				affect the ocean's ecosystem says Upjohn's Hinman	May	9	32	will be completed no later than Mar. 31			
Grow-LEMSIP additive system may combat	June	13	43	Sealants - "Pit and fissure" sealants are	way		O.C.	N Feb 14-17 Shutdown completed	Mar Apr	7 25	40
lead poisoning in childrenN	Jan	24	39	painted over teeth to act as a barrier to tooth decay	Mar	7	47	Solvay-process plants on the way out?			-
Hazardous chemicals: GAO wants tougher laws for hazardous-materials shipping	May	16	23		May	23	5	PPG's Barberton Unit is the latest casu- alty of poor economics and pollution			
Hazardous materials: DOT will need in-		,,,		Selling see Marketing; see also specific chemical, commodity etc.				problems, but a process twist may stem		-	40
dustry's help in developing standards and controls for safe shipping, says				Sessions, William - American Can's v-p.				Stauffer discusses commitments to the	May	,	40
Davis	Jan	24	12	chemicals: Entrepreneur sees romance in chemicals	Feb	21	56	soda ash market at its annual meeting	Apr	25	18
International Isocyanate Institute, new in- dustry group, will meet to develop a pro-								Tata Chemicals expanding its Mithapur plant	Jan	10	46
gram for promoting isocyanates Job-safety legislation see Law	Mar	21	23	Sewing Mattel's new toy dispenses proprietary				Texas Gulf's soda ash plant and under- ground trona mine in Sweetwater			
Kawecki Berylco's Hazelton, Pa., beryllium				adhesive, hardening agent, eliminating				County, Wyo	Apr	11	19
refining plant strike: Health is an issue	May	23	18	needle and thread for garment as- sembly	June	20	24	Sodium Bichromate — Prices	Mar	28	27
Lead emitted from car engines a health hazard believes two doctors	Mar	14	40	3M home-sewing market; notions line, including pattern adhesive, needle				to make methyl chloride and carbon			
Lead exposure standard tightening recom- mended by NIOSH	Jan	31	13	conditioner, fasterners	May	16	32	dioxide from sodium chloride brine con- taminated with acetic acid	Eah	28	43
LNG: Staten Island, N.Y. tank disaster will	Jen			Shale Oil — Paraho Development's process for recovering various hydrocarbons from				Sodium Hydrosuifite — Virginia Chemicals'	, 00		40
aggravate CPI's site selection problems Moratorium on LNG?	Feb.	21 28	19	oil shale will be studied	Mar	7	43	sodium hydrosulfite-based proprietary chemicals plant in Chester County, S.C.,			
National Steel's Weirton, W.Va., new coke	. 100			Paraho convinced its vertical kiln, used for calcining limestone, can be suc-				slatedF		28	23
plant blast spotlights cake problems	. Jan	3	15	cessfully adapted to process shale N	I Apr	11	28	Sodium Nitrate — Under attack as a food preservative	Apr	18	18
OSHA issues 11 citations for job safety violations	i Mar	28	17	Vertical kiln process may end oil-from- shale bottleneck		18	33	Sodium Perborate			
Nuclear safety see Atomic Power OSHA							20	Du Pont will double SPB capacity and in-			
Carcinogenic chemicals: OCAW, Nader		-		Shipping				crease output of Oxone monopersulfate compound at Memphis, Tenn., plant !	A June	27	15
group press for emergency measures OSHA readying temporary stand-	. Feb	7	41	Diamond signs first "integrated service" contract in chemical distribution pact. !	N Mar	21	31	Israeli plant planned	ngA F	18	29
aids	Apr	25	43	Equipment shipment delays McGraw-				Sodium Tripolyphosphate — Italian plant at Porto Torres, Sardinia, onstream	Apr	4	29
OSHA issues work practice standards for 14 carcinogens	May	9	9	Hill Economics Dept. study (table) Freight rates see Freight Rates	. May	2	15	Solar Power			
EPA loses first round in battle over				Freighter rams Penn Central Bridge,				Dow uses solar evaporation to cut waste loads at Pittsburg, Calif		10	
setting standards covering return of tarm workers to fields that have				knocking out rail service to chemical	. Mar	14	20	Little, Arthur D. will study how you get into	May	16	
been sprayed with pesticidesI Alpha-naphthylamine and derivatives	N May	9	20	Hazardous materials: DOT will need in- dustry's help in developing standards				the solar climate control business	N May	16	4
production may be discontinued .		23	31	and controls for safe shipping, says		1 -		Solvents			
Du Pont will continue to make alpha-				Davis Hazardous chemicals: GAO wants tougher	. Jan	24	12	Aliphatic plant at Sun Oil's Marcus Hook, Pa.		7	1
naphthylamine and derivatives	W Mill	/ 30	31	- lazardoue orienticate; GNO wants tougher						,	

Prosphore acid plant all Husbys capacity sparamon. By Mary Prosphore acid plant all Husbys capacity sparamon. By Mary Prosphore acid plant all Husbys capacity sparamon. By Mary Prosphore acid plant in the Cartary lie- prosphore acid plant												
Page		14	16	40	Sale piles up worries (table)	Mar	28	20				
Total		iviay	16	40	financial crisis for Bolivia	Mar	7	37	dustry, at SOCMA meeting	Feb	14	26
Weeke, start, and Glammar Land, prices in all and a control of mental galance and any and a control of mental galance prices. It was a control of mental galance prices and mental galance prices. It was a control of mental galance prices and mental galance prices. It was a control of mental galance prices and mental galance prices. It was a control of mental galance prices and mental galance prices and mental galance prices and mental galance prices an	finery	June	20	19	Tungsten: Timed-release tungsten	June	13	18	Kent says zero in on the few chemicals that	Mar	24	17
Chemister designed across the property of th		Jan	17	18	Storage				Toxic substances control act: Plea for	Mar	21	17
The magnetic amenia worth harp pro- comparated others proposed as a final of the comparation of the comparat	Chlorinated solvents prices		13		Diamond signs first "integrated service"		04	04	selectivity in the testing of new chem-			
duced of prompting commencation of prompting commencation of the produced in t		May	2	28	Illinois processors face stricter controls	Mar	21	31		Mar	28	23
Management on the bit producted R May 20 at	ducers of printing chemicals				as result of gas leak	Apr	4	24	change for equal concessions	May	30	12
Seach Must be produced. P. May 50 27 20 20 20 20 20 20 20 20 20 20 20 20 20	Oxygenated solvent pricesN	June	6	36	will aggravate CPI's site selection prob-							
December					lems				T			
Selection and gate controlled controlled protection of selection of se	Antimony oxide to be producedR	May	30	47	Moratorium on LNG?	reb	28	18				
souther conditional connect or survivors and an analysis of the control of the co		Jan	24	32					Taiwan see China, Nationalist			
Signer Chemics Articles Aprillate Custom read* of entered formation of the common of		Mar	28	34					Tankers			
Sopheam Carl Process set minimal and published by a proper of a natural set of the process of th	Sulfuric acid plant construction contract to Simon Carves Africa	Feb	14	34	pingN				Natural Gas Pipeline signs a letter of intent			
Seed a fundamental merital mer	Soybean Oil - PricesN	Mar	14	27	Chemical shipping is in a messN	May	9	25	the construction and purchase of two			
Special Position production giogram data Saciette publican methods and solve his position of the position methods and solve his position of the position methods and solve his position of the position methods and solve his position method and solve his position methods are solved and solve his position methods and solve his position method and solve his position methods and solve his position method and solve his position methods a	Soybeans — Courtaulds test marketing, Kesn a "synthetic soun meat" derived				sunny fertilizer outlook	Apr	18	23	tankersR	Jan		18
Special policion monitoring program data Special policion monitoring program data Special policion monitoring program data Special Partic direct steps to high program data Special Part	from soybeans	May	2	31					"The world's largest" methane tanker.	Apr	25	13
Special Plants directioned program date special properties of the control of the					Australia: Monsanto may join Broken Hill				Gadinia, delivers first full cargo of LNG			
Separate Paster cliented ready to New 20 15	Satellite pollution monitoring program data				Pty. in building monomer plant in				to Osaka Gas' terminal, Japan	Jan	24	15
of systa. Source food calcadory boost at Inclusions. Common Alternam Micrography inferiorized and common or program of the common of the com		Jan	3	22	BASE's process for making anthraquipone	June	6	33	Tanks			
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Secondary of the control contr	venture formed to build alumina and				Foster Grant expanding capacity at	June	20	10				
Remotiles and UE2-No Trino plan TiOs. Neb 20 and Secretary Secreta	aluminum complex in Galicia	May	9	28	Baton Houge, LaN							
Breish Tissa and UEE-Ro Timp plan 10-N February 12- 25 and Mark Nicker's Freegon Memorial relating plant in Regulation 18- 18 and 18- 18- 18- 18- 18- 18- 18- 18- 18- 18-	Reunidas	Jan	10	46		Jan	10	46	trade timetable	Jan	3	12
Eatland Dack Capacity expansion at Saltandor May 9 28 Seatlandor May 1 29 28 Seatlandor May 2 29 29 Seatlandor May		Feb		23	AMAX Nickel's Freeport Minerals refining				ASP. Hepeal the ASP and keep DISCs says UC's Wilson	Mar	14	11
Settlement Mort chemicals read of the processor of the pr	Carbon black capacity expansion at	1.60			plant in Plaquemine Parish expansion	Ann	4	20	ASP's scope clarified: valuation methods			
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Gard of registrating the state of its interests. But any 12 color of the plant of the color of the plant of t	pete in Europe	Apr	18	27	Canadian dumping decision could set a precedent N	Mar	14	12	Dumping see Imports			
Olefins plant A leavise according to the Prosphorion and optimal 4 leavise according to the Prosphorion and plant and the American Says Research (1997) and the Control of		lan	17	44	Canadian sulfur being sold in the U.S.	IVIGII						
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Procuptions and plant in the Canary laterals three Spansh companies or ying for government permasanic management management permasanic management permasanic management permasanic management manageme	Phosphoric acid plant at Huelva capacity	Mar	21	50	European shortage developingN		7					
lands: three Spanish companies ying for government permission of expand organic plans of Tanko SA. Way 9 27 Interpretable of the properties of the properti	Phosphoric acid plant in the Canary Is-	INTEL	21	30	Frasch sulfur pricesN		17		segments of the U.S. chemical in-			
JUES-Ro Tinto applies to powerment permission to expand original plans of Tilans 9.4. Tanks 9.4. Tan	lands: three Spanish companies vying			07	Prices N Jan 24-19N		21			Apr	11	13
mission to expand original plans of National Control of States (Paul Control of States) (Paul Co		May	9	21	Texasguif to build liquid sulfur terminal	May	20	16	Treasury imposes countervailing duties .		17	17
Similar Excess seems to be required its position can be a seem to be required in the position of the position	mission to expand original plans of			07	Sulfur-coated-urea — SCU and urea am-	ividy	30			Mar	28	20
flied. Exxon seems to be reducing its involvement, while Monation hows to survivement, while Monation hows to survive Mark 1 and 17 and 18 a		мау	16	21	monium phosphate: bright prospects	Jan	10	18				
strengthen its position Speciality chemicals — report. Charles H Mar 21 49 Sizeliates This small to make it big in speciality chemicals — report. Charles H Mar 31 37 Stabilizers — Specialized reiens demand lifts — lefter — related — r	fled: Exxon seems to be reducing its				Canadian sulfur producers team up to seek				new trade bill	Feb	21	15
Specially Charles II or make it big in specially Charles II. Jun 17 27 June 18 Jun 18		Mar	21	49	new end usesN	June	27	33	peril in the plan (charts & table)		21	16
Subjusted Chemical Services (a labels) Jan 17 27 Jan 31 38 Stabilizers — Spocialized resins demand (file at labels) Leiter — Stabilizers — Spocialized resins demand (file at labels) Leiter — Stabilizers — Spocialized resins demand (file at labels) Leiter — Standard Palae — Philadeliphia Quart's president. Apr 4 23 Stabilizers — Spocialized resins demand (file at labels) Leiter — Standard Palae — Philadeliphia Quart's president. Apr 4 24 Standard Research — May 7 CSHA see Labor — OSHA Lead aspoziure standard tightening recombinate — Explosives sinfler — Standard Research Institute — Explosives sinfler — Standard Research Institute — Explosives sinfler — Consumption by the cardial endustry — Permite Corp is premised surfactants will be produced and social in Japan — N. Jan 24 Standard Research Institute — Explosives — Feb 7 45 Steal — Consumption by the cardial endustry in the cardial endustry — Permite Corp is premised surfactant system (figuration plane) Leiter — Standard Research Institute — Explosives — Feb 7 45 Standard Research Institute — Explosives — Feb 7 45 Steal — Consumption by the cardial endustry in the cardial endustry in the produced and social in Japan — N. Jan 24 24 Steal — Consumption by the cardial endustry in the cardial endustry in the produced and social in Japan — N. Jan 24 Steal — Consumption by the cardial endustry in the cardial	Specialties: Think small to make it big in				Sulfur Dioxide see also Air Pollution; Desulfurization				Mills favors 10-15% imports surcharge .N	Feb	28	13
Letters Specialized resins demand tilts Europe's plastics additive sales (table) Apr 4 33 African plant contract goes to Simon Carves Artics — May 2 36 Staley, Paul — Philadelphia Quartz's president. Architechiawyer linds he's best at management of the property of the contract to the contract goes to Simon Carves Artics — Staley, Paul — Philadelphia Quartz's president. Architechiawyer linds he's best at management of the property of the contract to May 2 36 Standardization Carrinogenic chemicals see Labor — OSHA Lead exposure standard lightening recommended by NiOSH — Jan 31 13 Superconductivity — Will new organic sleave metals out in the cold? Standardization Standardization Carrinogenic chemicals see Labor — OSHA Lead exposure standard lightening recommended by NiOSH — Jan 31 13 Superconductivity — Will new organic sleave metals out in the cold? Standardization Standardization Carrinogenic chemicals see Labor — OSHA Lead exposure standard lightening recommended by NiOSH — Jan 31 13 Superconductivity — Will new organic sleave metals out in the cold? Steel — Van Hussen heat exchanger may religious to see Labor — Oshambion to see Labor — Oshambion to contract politic standard lightening recommended by NiOSH — Steel and the proposition of the contract of the contract of the cold and sold in Japan — No Nitro landard superconductivity — Will new organic sleave metals out in the cold? Steel — Van Hussen heat exchanger may religious to the cold? Steel — Van Hussen heat exchanger may religious to the cold of th		Jan	17	27	Sulfur Monochloride — Illinois processors					Mar	14	23
Europe's plastics additive sales (table)	- letters	Jan	31			Apr	4	24			20	17
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management June 27 48 Prices N Feb 7-23 N Feb 28 29 Nisror's trade bill pushed N June 27 Each and productively—Will here organics level (17 Englas (Bull's plant at Lec Creek, N.C. Contract to Monsanto Enviro-Chem R Jan 3 16 Trade policy Congress in no mood to give Nision blank check on trade Jan 24 Superconductively—Will new organics level—metals out in the cold? Apr 11 30 Feb 28 29 Nisror's trade bill pushed N. Nation of Trade bill push of					Agrico Chemical contracts R.M. Parsons	Mar	7	16	Nixon's trade bargaining power	May	30	12
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Carcinogenic chemicals see Labor — OSHA Lead exposure standard lightening recommended by NIOSH — Jan 31 13 OSHA see Labor OSHA						lan	3	16	give Nixon blank check on trade	.lan	24	14
metals out in the cold? Apr 11 30 ling for GAT light Apr 18 Cash A					Superconductivity - Will new organics leave				Trade Reform Act of '73: They're marshal-			
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Steam — Van Huisen heat exchanger may help unlock geothermal energy reserves Feb 7 45 Permited Corp.'s premixed surfactant system. All consumption by the candle industry — Steam Corp. Consumption by the candle industry — Jan 24 33 Permited Corp.'s premixed surfactant system. Banish, kills mildewn or interior and extenor surfaces — Jan 3 35 Steed — Chemical Week 300 — reports. Homer Starr (tables) Feb 21:34, Apr 25-40 May 23 32 BASF is embroiled in three-way count battle in Germany, Sweden, over construction of urethane plant of urethane plant of the construction of urethane plant of urethane plant of the construction of urethane plant of the construction of urethane plant of the construction of urethane plant of urethane plant of the construction of urethane plant of urethane	OSHA see Labor					lan	24	10	Tesation			
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Steed Name of the start (tables) Feb 21-34, Apr 25-40 May 23 Name of the start (tables) Feb 21-34, Apr 25-40 May 23 Northetic Original Start (tables) Feb 21-34, Apr 25-40 May 23 Northeti	Steanc Acid — Consumption by the candle	Feb	,	45					German chemical makers face higher	Мрі	-	17
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Chemical Week 300 — reports. Homer Starr (tables) Feb 21-34, Apr 25-40 May 23 32 Radial tire push gives boost to steel (charts) Shortage slows chemical construction (table) Shortage slows chemical construction (table) Swedish electrode provides more accurate picking control U.S. steel industry could do a tot better in the efforts to control pollution says Council on Economic Priorities study of 47 plants U.S. Steel will spend \$75-80 million to control pollution asks Council ton Economic Priorities study of 47 plants Shockpiles GSA extends the time allotted mejor aluminum form government stockpiles Jin 2 18 Shockpiles GSA extends the time allotted mejor aluminum form government stockpiles Agrae Sudy Could mean the end for seaccharin Nixon cails for 90% slash in nation's commodity stockpiles Agrae is embroiled in three-way count battle in Germany, Sweeden, over construction of urethane plant May 23 42 Government acquires MoDo Kemi May 23 45 Kema Nord plans PVC expansion at Stenungsund Complex increased 1 R Petrochemical output at Stenungsund Complex increased 2 R Petrochemical output at Stenungsund Complex increased 3 R Petrochemical output at Stenungsund Complex increased 3 R Petrochemical output at Stenungsund Complex increased 3 R Petrochemical output at Stenungsund Complex increased 4 R Petrochemical output at Stenungsund Complex increased 4 R Petrochemical output at Stenungsund Complex increased 5 R Petrochemical output at Stenungsund Complex increased 6 R Petrochemical output at Stenungsund Complex increased 6 R Petrochemical output at Stenungsund Comp	Stoel				Sweden					May	16	
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(table) June 20 27 Mo och Domsjo Swedish electrode provides more accurate pickling control U.S. steel inclustry could do a lot better in its efforts to control pollution says. Council on Economic Priorities study of 47 plants U.S. Steel will spend 375-90 million to control pollution says. Council on Economic Priorities study of 47 plants U.S. Steel will spend 375-90 million to control pollution at the Gary, Ind., works N May Stockpiles GSA extends the time allotted major aluminum companies for purchase of aluminum from government stockpiles May Stockpiles GSA extends the time allotted major aluminum from government stockpiles No May May May May May May May May	(charts)	Jan	31	21	Earnings rise				for business (charts)	Feb	7	11
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Council on Economic Priorities study of 47 plants	in its efforts to control pollution says				complex increased	Mar	7	20	don't rock tax structure	Mar	14	10
U.S. Steel will spend \$75-80 million to control pollution at its Gary, ind., works. N. Mar. 7 43 Stockpiles GSA extends the time allotted major alluminum companies to purchase of alluminum companies to purchase of alluminum from government stockpiles. Jan. 3 13 Magnesium NI, Industries buyer 10,000 tons. N. June 6 21 Synthetic Organic Chemical Manufacturers Apinomoto will join Searle'i new amino acide-based sweetener. N. Feb. 2 Rennsylvania-based chemical companies may get tax reite! N Jan 17-13 N. Feb. 2 Permont, N.Y., susing Federal Paper Board and Continental Can for refusal to pay local tax for 72-73 Sulfur oxide missions fax proposal re- vived. Sulfur oxide missions fax proposal re- vived. Tax reform hearings: 7% investment tax credit and Asset Depreciation Range. N. Feb. 1 Rubber: Monthly salse will be doubled N. May 16 33 Synthetic Organic Chemical Manufacturers	Council on Economic Priorities study of	8400	99	10					Multinationals talk their way out of trouble	Mar	28	18
control pollution at its Gary, Ind., works. N. Mar. 7 43 in the U.S. to produce. Searle's new amno acide-based sweeteners. Stockples GSA extends the time allotted major aluminum companies for purchase of aluminum from government stockpiles. Jan. 3 13 Hey. 23 39 FDA's rat-feeding study could mean the end for saccharin. May 30 12 Saccharic. A ban on saccharin. May 30 12 Saccharic. A ban on saccharin. Mar. 7 13 Synthesis. — Aphland's multifunctional aminimides made by synthesis single-step bid for many jobs. Mar. 28 26 Tax reform hearings: 7% investment tax credit and Asset Depreciation Range. N. Feb. 1 Feb. 2 Feb. 2 Sulfur oxide emissions may get tax relief N. Jan. 17-13 N. Feb. 2 Sulfur oxide emissions tax proposal revived Mar. 28 26 Tax reform hearings: 7% investment tax credit and Asset Depreciation Range. N. Feb. 1 Feb. 2 Sulfur oxide emissions may get tax relief N. Jan. 17-13 N. Feb. 2 Sulfur oxide emissions tax proposal revived Mar. 28 26 Tax reform hearings: 7% investment tax credit and Asset Depreciation Range. N. Feb. 1	U.S. Steel will spend \$75-80 million to	way	23		Ajinomoto will join Searle in building a plant				Nixon proposes higher tax on sulfur oxide			
Stockpiles GSA extends the time allotted major aluminum companies for purchase of aluminum companies for purchase of aluminum companies for purchase of aluminum from government stockpiles Jan Saccharin: A ban on saccharin? May 30 12 Feb 2 Saccharin: A ban on saccharin? Sulfur oxide emissione tax proposal revived saminimides made by symfnesis single-step bid for many jobs Sulfur oxide emissions tax proposal revived where the saccharin and saccharin? Sulfur oxide emissions tax proposal revived Tax reform hearings: 7% investment tax credit and Asset Depreciation Range. N Feb 1 R May 9-17 FDA's rat-feeding study could mean the Pleimont, N Y, suany Federal Paper Board and Continental Can for refusal to pay local tax for 72-73 Sulfur oxide emissions tax proposal revived Tax reform hearings: 7% investment tax credit and Asset Depreciation Range. N Feb 1 R May 9-17 FDA's rat-feeding study could mean the Pleimont, N Y, suany Feb 2 Saccharin: A ban on saccharin? Mar 7 13 Sulfur oxide emissions tax proposal revived War 28 26 Tax reform hearings: 7% investment tax credit and Asset Depreciation Range. N Feb 1 R May 9-17 FDA's rat-feeding study could mean the Pleimont, N Y, suany Feb 2 Saccharin: A ban on saccharin? Mar 7 13 Sulfur oxide emissions tax proposal revived War 28 26 Tax reform hearings: 7% investment tax credit and Asset Depreciation Range. N Feb 1		Mar Mar	7	43	in the U.S. to produce Searle's new				emissions	Feb	21	41
GSA extends the time allotted major aluminum companies to pruchase of alluminum companies to pruchase of alluminum from government stockpiles Jan 3 13 Saccharin: A ban on saccharin May 30 12 and Continental Care for refusal to pay local tax for 72-73 local tax for 72-73 local tax for 72-73 local tax for 72-73 sulfur coile missions somewhat in nation's commodity stockpiles Ap 2 5 6 Rubber: Monthly sales will be doubled N May 16 33 Synthetic Chamical Manufacturers FDA's rat-feeding study could mean the May 30 12 and Continental Care for refusal to pay local tax for 72-73 sulfur coile missions tax proposal revived Sulfur oxide emissions tax proposal revived Sulfur oxide emiss	Stockniles				amino acids-based sweetener	May	23	39		Feb	21	1:
minum companies for purchase of aluminum form government stockpiles Jan 3 13 Magnesium: NL Industries buys 10,000 tons N June 6 21 Nixon calls for 90% slash in nation's commodity stockpiles Apr 25 16 Rubber: Monthly sales will be doubled N May 16 33 Synthetic Organic Chemical Manufacturers 30 12 and Commentate Can for refusal to pay and Commentate Can for refusal	GSA extends the time allotted major alu-				FDA's rat-feeding study could mean the				Piermont, N.Y., suing Federal Paper Board			
Magnesium: NL Industries buys 10,000 Institute of the proposal results of the		Jan	3	13	end for saccharin					Feb	28	1
tons N June 6 21 amminimides made by synthesis single-step War 28 26 Tax reform hearings: 7% investment tax credit and Asset Depreciation Range. N Feb 1 Rubber: Monthly sales will be doubled N May 16 33 Synthetic Organic Chemical Manufacturers Three-way tax trouble brewing in Con-	Magnesium: Ni. Industries buys 10,000				Synthesis - Ashland's multifunctional	. IAISII	,	13	Sulfur oxide emissions tax proposal re-			
commodity stockpiles Apr 25 16 redit and Asset Depreciation Range N Feb 1 Three-way tax trouble brewing in Con-	tons	V June	6	21	aminimides made by synthesis single-step	Admir	20	06		Feb	28	17
Rubber: Monthly sales will be doubled N May 16 33 Synthetic Organic Chemical Manufacturers Three-way tax trouble brewing in Con-	commodity stockpiles	. Apr	25				20	20	credit and Asset Depreciation Range .N	Feb	14	18
	Rubber: Monthly sales will be doubled .!	N May	16			•			Three-way tax trouble brewing in Con- gress: Capital gains, foreign profits			
nuouer sane or stockpied restrict rudger worry hubber marketelers N Apr 4 37 Fieldcrest Mills' Vance spells out what he minimum tax	worry rubber marketers	N Apr	4	37	Asen. Fieldcrest Mills' Vance spells out what he				minimum tax	. Mar	7	- 11

Treasury Dept. list shows some CPI com-				tics molting plant	Enh	21	21	Transmission Fluids - Rotary engine: market			
panies pay income taxes at low effective				tire-making plant	Len	21			June	13	29
	May	2	18	steel-belted radialsR	Mar	14	21	Transportation — Trouble ahead for chemical			
Trinity River canal bond issue defeated by Texas voters	Mar	21	18	General Tire agrees to pay \$10,000 civil penalty stemming from Transportation				transport — report. John M. Winton (charts & table)	Jan	31	25
271/2% oil depletion allowance restoration	Mar	24	17	Dept. charge that some of the com-				Transportation see also Aeronautics, Barges,			
asked	IMAI	21	17	pany's tires failed to meet '66 safety standards	June	20	16	Railroads, Shipping, Trucks Tribromosalicylanilide — Deodorant-soap:			
cost BASF about \$23 millionN	June	27	37	General Tire awarded \$3.33 million in				FDA panel raises safety questions about			
Technical Assn. of the Pulp & Paper Industry — Paper producers considering sulfur-free				patent-infringement suit against Fire- stone	Feb	14	27	hexachlorophene substitutesN Trichlorocarbanilide — Deodorant-soap: FDA	Feb	14	18
oxygen processes as an alternative to kraft				General Tire will build radial-tire plant for				panel raises safety questions about hexa-			
process	Mar	14	21	Rumania	May	2	23	chlorophene substitutes	Feb	14	18
Technology				tires plant expansion	Feb	21	21	Trinidad — Ammonia-methanol project	May	9	13
David's departure from the post of White House Science Advisor signals a dra-				Indian nylon tire cord plant at ManaliR	June	20	19	Trucks Trouble ahead for chemical trans-			
matic shakeup in Administration policy	Jan	17	18	Michelin former employee arrested in Cleveland on charges of trying to sell				port — report. John M. Winton (charts & table)	Jan	31	25
How chemical companies make a profit in pollution technology	Jan	10	35	Firestone a Michelin secret formula for	F-1	00	10	Truman, Harry S. — Shaped events that			
	Jun	10	00	bonding radial tires	Feb	28	19	ushered in a growth era for chemicals Tungsten — Stockpiles: Timed-release	Jan	3	14
Tennessee Valley Authority Fourth nuclear power plant will be built				Anderson and Greenville, S.CFI	Feb	21	21	tungsten	June	13	18
near Scottsboro, Ala	Mar	21	24	Michelin's radial tires made in Canada; U.S. Treasury imposes countervailing							
United Nuclear-TVA uranium joint explora- tion and mining	May	16	25	duties	Jan	17	17	U			
	may	10	23	Pirelli unveils cordless-body tire N Radials reshuffle tire-cord lineup (charts)	June	27 31	33 21	I Manager of the Control of the Cont			
Terephthalic Acid Amoco ups capacity at Decatur, III	Apr	11	20	Shipments in '72 set a new record	Mar	21	24	Ultraviolet — American Can turning to ultra- violet-cured inks	Mar	14	39
Hercules' unit at Wilmington, N.CN		14	12	Transportation Dept. proposes a new grading system	Mar	14	21	Underwater Mining — Deepsea project:			
Lummus unveils its new approach to TPA based on ammonolysis	Mar	21	41	Uniroyal makes new commitments to boost				Ocean floor nodules may soon become source of nonferrous metals (chart)	May	30	39
How new process for making TPA re-	INICIA	41		radial tire output	Feb	7	14	U.S. Army - Rock Island, Ill., arsenal will			
duces capital, operating costs Mitsubishi will install TPA process in plant	Apr	11	27	Titanium				treat metal plating wastes in what is claimed to be the largest reverse-osmosis			
at Kurosaki, Kyushu IslandN	Mar	21	41	Airco will reprocess titanium turnings into an inexpensive alloy, Ultra-TiN	May	9	33	unit ever built for industrial use	May	2	35
Mobil retains all rights to its patented TPA process	Apr	11	20	Howmet will use Dow's continuous electro-				U.S. Brewers Assn. — Liquor ingredients labeling rule could mean switch in ad-			
Mobil sells Beaumont, Tex., plant to				lytic titanium process at Whitehall, Mich	May	9	33	ditives	May	16	31 .
Velsicol N Apr 4-37	Apr	11	20	U.S. Industries' welding technique makes				U.S. Dept. of Agriculture — FDA quarantines Louisiana cattle with high hexachloro-			
Terminals				field erection of big titanium, or titanium- clad, vessels possible	Jan	17	35	Denzene levels	Apr	25	21
Seaboard Coast Line's Rockport, Fla., phosphate rock loading terminal shut								U.S. Dept. of the Interior — Pilot plant to demonstrate the feasibility of the Synthane			
down by collapse of a huge loading				Titanium Dioxide Corsica: Riots over deep-sea disposal of				coal gasification process developed by	Feb	14	66
Superports: Delaware Bay plans get boost;	June	20	15	TiO ₂ production wastes from Mont-	C-1-	28	43	USBM	Len	14	00
other areas proposing sites	Jan	24	16	edison's plant	reo	20	43	U.S. Geological Survey			
Testing — UC's new measurement technique speeds odor study, pinpoints potential				fines	Jan	31	16	Minerals-hungry U.S. is fishing for oddball ores (chart)	May	30	39
control problems (table)	Mar	14	35	Du Pont considers plant at Brunswick, Ga	May	2	15	"United States Mineral Resources" re-	May	16	47
Tetraethyl Load				Du Pont looking for a plant site in Europe .N	Feb	28	23 43	university of California — Researchers de-	ividy	10	10.7
Car makers, TEL producers say use of				Du Pont ventures Outlook brightens for TO ₂ suppliers;	Apr	-	45	velop process twist that may help Solvay plants	Mar	7	40
catalytic converters will widen energy gap, cost consumers \$6 billion by '85	May	23	27	producers raise prices, add new ca- pacity as sales pick up	Anr	4	39	University of Nebraska Klepper, Lowell:	TVICA		40
Lead-in-gasoline rules will require use of	,			Polish plant planned	May	30	48	New method speeds screening of chemicals for herbicidal activity	Mar	14	37
catalytic converters for auto exhaust systems and will cut sales of TEL and				Prices N Mar 28-27	Apr	25	30	University of Pennsylvania Researchers	· ·		0,
other lead alkyls	Jan	10	16	disposal	June	27	45	have found an organic that shows excep- tional conductivity	Apr	11	30
Tetrahydrofuran Maleic-based process for making THF N	Apr	18	39	Spain: UEE-Rio Tinto applies for govern- ment permission to expand original				University of Southern California - Rare			00
Tetrathiofulvalene — Tetracyanoquino- dimethane (TTF) (TCNQ) — Researchers				plans of Titanio S.A	May	16	27	earths may prove as good as noble metals in catalytic mufflers	Apr	30	43
have found an organic that shows ex-				Spanish plant at Huelva planned N Titanium oxide — India: Travancore ex-	Feb	28	23			-	
ceptional conductivity Texas A&M University — Researchers ex-	Apr	11	30	pansion in KeralaF	Feb	7	36	Australian joint exploration	Mar	14	31
perimenting with methyl alcohol as an				Tobacco — ICI researching cellulosic sub- stitute for cigarette tobacco N Feb 7-39 N	May	30	49	Enrichment: AEC authorizes use of pre-			
imaginative way to ease the projected gasoline shortage	May	23	18	Tolletries	-			viously classified data	Jan	17	14
	,	-	-	Chemical Week 300 — reports. Homer	Many	23	32	ing enriched uraniumN	Apr	25	14
Textiles Europe's textile output should grow faster				Starr (tables) Feb 21-31, Apr 25-35 Cyanamid divesting itself of two of its	May	23	JE	Enrichment: GE studying gas centrifuge separation of uranium isotopesN	Jan	31	39
than all-industries	Mar	14	33	Shulton men's toiletries lines, Burley and	Mar	21	23	Enrichment: U.SJapanese plant may be built	Many	16	27
Fibers (4) in search of a name: producers feel generic names for fibers could				Man-Power Eagleton bill wants premarket safety tests	. rasers	21	20	Exxon's Highland Uranium Mill in Wyo.	May	10	21
boost saves	Mar	14	42	for cosmetic products, and ingredient	. Mar	21	24	receives green light, but AEC sets stipu- lations	Ans		31
Fieldcrest Mills' Vance spells out what he considers to be the necessary waste				labeling on cosmetic products France indicts officers of two companies	. Perest	21	24	Japanese gas centrifuge to separate	Api	4	31
treatment priorities for the textile industry	r-4		26	charged with manslaughter in connec- tion with the accidental deaths of 41				uranium isotopes	Jan	24	39
at SOCMA meeting	. Feb . Mar	7	5	babies treated last year with talcum				projects: interest growing	Mar	28	25
Ireland: Courtaulds plans complex at Campsie		2	22	powder containing large amounts of hexachlorophene	Jan	3	12	Royal Dutch/Shell broadening interests in nuclear fuel		2	23
Permanent-press resins hit by apparel in-	May	2	23	Taicum powder: FDA appears ready to set	, Jan	9		TVA-United Nuclear joint explorations and	May	4	23
dustry's switch to knits; glyoxal bids for new markets	len	24	21	new limits on the amount of asbestos impurities permissible in talcum powder				miningR	May	16	25
Sales to rise 8% in '73, synthetic fibers	. Jan	24	21	and other talc-containing cosmetics	. Mar	7	13	Uras			
12-15% (chart) Thermal printing: hot new process for	Feb	28	14	Toluene — Futures for chemicals? — ICI's Tholen revives his proposal	Apr	18	13	Chinese projects	Feb	21	13
synthetic-fiber textiles (diagram)	. Feb	28	47					fertilizer plant at Lawrence, KanF	Apr	18	15
Thelland				Toluene Diisocyanates BASF-Wyandotte Geismar, La. plant ex-				Japanese urea for India	Feb	21	39
Fertilizer plant in the Pathum Thaki area	R Jan	10	46	pansion	R May	2	15	Oxy signs fertilizer deal with Russians N	Apr	18	9
planned	-t Jari	10	40	Du Pont's Brazilian joint venture plant in Camacari, Bahia	N June	6	33	Reichhold's plant at St. Helens, Ore. on- stream	Mar	14	21
an impasse Thermoluminescent materials replace film	. Mar	14	30	Camacari, Bahia Tower, Raymond — FMC's executive v-p				Shortage will worsen as use in feeds picks			
in badges that monitor exposure to radia-				He's shooting for a better score in fibers film and chemicals	. Jan	31	48	Sulfur-coated urea (SCU) and urea am-	Jan	24	19
tion	. June	27	35					monium phosphate (UAP): bright pros-			
				Toys Cellulose acetate toys are becoming)			Supply tightens as demand booms in	. Jan	10	18
Tin		2	21	more popular as a result of child safety	May	9	21	fertilizer, cattle feed		7	21
Tin Chemical prices rise GSA stockpile sales could create a final	. May			laws		9	21	Terra Chemicals plans expansion at Sioux City, Ia., plant	Feb	28	19
Tin Chemical prices rise GSA stockpile sales could create a finan- cial crisis for Bolivia	N Mar	7	37	Mattel's new toy dispenses proprietar							
Chemical prices rise GSA stockpile sales could create a finan- cial crisis for Bolivia	N Mar	7	37	adhesive, hardening agent, eliminating	9			Urea-ammonium-phosphate — Sulfur-coated		10	10
Chemical prices rise GSA stockpile sales could create a finan- cial crisis for Bolivia Tires Boom rolls up record for rubber chemicals	N Mar			adhesive, hardening agent, eliminating needle and thread for garment as- sembly	June	20	24	urea and UAP: bright prospects		10	18
Chemical prices rise GSA stockpile sales could create a finan- cial crisis for Bolivia Tires Boom rolls up record for rubber chemicals	N Mar	7		adhesive, hardening agent, eliminatini needle and thread for garment as- sembly Trade Secrets — Michelin former employe	June 0	20	24	Urea-ammonium-phosphate — Sulfur-coated urea and UAP: bright prospects Urethane		10	18
Chemical prices rise GSA stockpile sales could create a finan- cial crisis for Bolivia Tires Boom rolls up record for rubber chemicals (chart & table) Chemical Week 300 — seports. Home Starr (tables) Feb 21-32. Apr 25-38	N Mar		21	adhesive, hardening agent, eliminating needle and thread for garment as- sembly Trade Secrets — Michelin former employe arrested in Cieveland on charges of tryin to sell Firestone a Michelin secret formul	. June e g a			Urethane BSF is embroiled in three-way court battle in Germany, Sweden, over con-	. Jan		
Chemical prices rise GSA stockpile sales could create a finan- cial crisis for Bolivia Tires Boom rolls up record for rubber chemicals (chart & table) Chemical Week 300 — seports. Home	N Mar	14	21	adhesive, hardening agent, eliminating needle and thread for garment as- sembly Trade Secrets — Michelin former employe arrested in Cleveland on charges of tryin	June e g a Feb	28	19	urea and UAP: bright prospects	. Jan	10 21 14	18 49 42

could derail plastics' growth Urethane and styrene producers' agree- ment may set pattern for testing and terminology rules on other major resins	June	6	26	to be the largest reverse-osmosis unit				Water Treatment			
ment may set pattern for testing and terminology rules on other major resins				ever built for industrial use	May	2	35	BASF and Ludwigshafen city to build water			
				Calgon's Fountain Valley, Calif., plant is the largest granular carbon system for	Fab	04	44	Calgon's Fountain Valley, Calif., plant is	Jan	1.7	*
Olin's expansion in urethane chemicals	June	20	10	waste-water reclamation on record N Contract waste treatment pay off: fast- growing service is built on low-cost plant	Feb	21	41	the largest granular carbon system for waste-water reclamation on recordN	Feb	21	
UC's Sneath: Auto seating, safety bumpers	June	13	18	operation Dow will build a lagoon to treat effluents	Apr	4	55	Desalting Reverse-osmosis equipment could get			
show promise as urethane markets	Mar	21	20		Mar	7	43	market lift from huge plant mapped by U.S. Senate bill authorizing a program to con-	June	13	
V				for industrial wastes discharged to municipal treatment plantsN	May	30	43	trol salinity in the Colorado River may give OSW new lease on life N	May	23	ļ
Vaccines see Drugs				EPA spending for waste-treatment plants is falling short of expectationsN	Apr	4	31	Single-pass desalting of sea water by reverse osmosis will be tried at Dow's			
Venezuela				Evaporation system cuts treatment costs for hard-to-treat chemical wastes (table) . FMC purchases the Marox process from	May	9	31	Walnut Creek, Calif., research centerN	Mar	14	
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profits by diversifying into pharma-				claims British Gas Corp. — CRG process for U.S.	June	6	26	Carter-Wallace — Deodorants and anti- perspirants: FTC orders manufacturers to			
ceuticals, are expanding at home and abroad	Apr	11	36	SNG plants Gas strike may clobber Britain's chemical	May	2	33	document ad claims Carter-Wallace — Meprobamate patent:	June	6	
AV's mining tunnel directly under the Huels complex causes damage, but Huels cannot sue either GAV or BASF	Feb	21	38	makers	Feb	21	37	Supreme Court is asked to define the scope	May	2	
laries Kuhlmann Wyandotte see under name	100	2,	50	Attachment has the effect of boosting stack height 20%	May	23	40	Weight-reducing drugs under fireN Carus Chemical — Hydroquinone and man- ganese sulfate capacity at LaSalle, III.	Jan	17	
	Mar	28	32	Developments Ltd., 50% interest in				expansion R Carver-Greenfield Multiple-effect evapor-	Mar	28	
ales and earnings, first-quarter '73, capital spending	May	16	27	Mediada; 12% share of Amalgamated Dental International	May	2	23	ator cuts costs of treating pharmaceutical and food processing wastes (table)	May	9	
Prest-half sales	June	27	37	another snag Petroleum-derived protein plant at Sar-	Feb	21	21	Casco — Sales and earnings rise in '72 Caswell-Massey — Musk chemicals have the	Mar	21	
three-way court battle in Germany, Sweden over construction contract	Mar	21	49	doch, Sardinia	Mar	7	20	sweet smell of success Cataphote Corp. — Acquired by FerroR	Feb June	21	
later treatment plant for Ludwigshafen .R lest Germany's new investment tax will		17	44	ter sold to a U.K. packaging firmR Selfs ICI its 50% stake in Honeywill-	Apr	11	20	Caulk, L.D. Co. — Pit and fissure sealants Celanese Corp. — Brooks paints a bright	Mar	7	
SF/Lurgi — Gasynthan process for U.S.	June	27	37	Atlas .R Sells 20% interest in Kuwait Chemical	Apr	11	20	picture of '73 chemical prospects for financial analysts	Mar	28	
NG plants SF-Sandoz — Plant to make anthraquinone	May	2	33	Fertilizer R BP Chemical International — Acetic acid	Apr	11	20	Liquid chemicals minimum bulk shipment size of 32,000 lbs. for N.Y. Metropolitan			
	Apr	4	47	plant at Hull, Yorkshire, started upR Chlorine plant at Baglan Bay, South	Mar	14	31	area deliveries set	May	30	
I.V.'s siteN			0.4	WalesR	Jan	3	29	Macomber named president	June	6	
I.V.'s site	Jan	17	21	Cumene oxidation process for Mexican		7		Meeting (annual): first-quarter results	Apr	18	
N.V's site N.SF-Wyandotte — OCAW settlement at Seismar, La. Seismar, La. Expansion R. Relite Xylonite Ltd. — UC acquires 100%		17 2	15	phenol plant Ethylene plant at Baglan Bay fire; BP will	Feb	- '	36	Mitchell, Robert v-p: His style calls for		28	
IV's site N SF-Myandotte OCAW settlement at Beismar, La. Di plant at Geismar, La. expansion R lettle Xylonite Ltd. — UC acquires 100% wnership of BXL by buying out Distillers to		17 2		phenol plant Ethylene plant et Baglan Bay fire; BP will be searching Europe for ethylene to	Feb	14	31	personal involvement Sales and earnings in '72	May Feb		
IV's site NSF-Myandotte — OCAW settlement at beismar, La Di plant at Geismar, La expansion R Relite Xylonite Ltd. — UC acquires 100% www.ership of BXL by buying out Distillers of timore Gas & Electric — Monsanto Enviro- temen's Landgard process will get a com-	May	6	15	phenol plant Ethylene plant at Bagian Bay fine; BP will be searching Europe for ethylene to supply downstream plants HDPE plant at Grangemouth, Scotland, to up capacity	Feb			personal involvement Sales and earnings in '72' Sohio's proplylene-to-acrylic process wins first U.S. assignment	May Feb Jan	24	
IV's site S*-Myandotte — OCAW settlement at seismar, La beismar, La Di plant at Geismar, La. expansion R selite Xylonite Ltd. — UC acquires 100% wherehip of BXL by buying out Distillers 20. timore Gas & Electric — Monsanto Environerosal test nerosal test N mangwato Concessions, Ltd. — Nickel-mangwato Concessions, Lt	May June Feb	6	15 27 39	phenoi plant i Bagian Bay fire; BP will be searching Europe for ethylene to supply downstream plants M-DPE plant at Grangemouth, Scotland, to up capacity High-molecular-weight polymers as materials for drums	Feb May	14	31	personal involvement Sales and earnings in '72			
IV's site SF-Myandotte — OCAW settlement at beismar, La Di plant at Geismar, La. expansion R settle Xydonite Ltd. — UC acquires 100% www.ership of BXL by buying out Distillers 2. Itimore Gas & Electric — Monsanto Enviro- heeri's Landgard process will get a com- nercial test N mangward Concessions, Ltd. — Nickel- copper matte for AMAX N Banque Franciaise de Commerce Exterieur	June Feb Jan	6	15	phenoi plant Ethylene plant at Baglan Bay fire; BP will be searching Europe for ethylene to supply downstream plants HDPE plant at Grangemouth, Scotland, to up capacity High-molecular-weight polymers as ma- terials for drums Phthatic arrhydride plant at Hull, Yorkshire, being brought back into production.	Feb May May	14	31 46	personal involvement Sales and earnings in '72 Sohio's prophylene-to-acrylic process wins first U.S. assignment Celanese Canada — Columbia Celtulose up for sale again: tentative agreement to sell some operations to Weyerhaeuser falls through			
IV's site S*-Wyandotte — OCAW settlement at siesmar, La. DI plant at Geismar, La. expansion Retelle Xylonite Ltd. — UC acquires 100% winership of BXL by buying out Distillers 20. Immore Gas & Electric — Monsanto Environem's Landgard process will get a comnercial test — Nanangwato Concessions. Ltd. — Nickelopper matte for AMAX — N. Banque Francaise de Commerce Exterieur — Petrochemical complex planned for	June Feb Jan	6	15 27 39	phenoi plant Elthylene plant at Baglan Bay fine; BP will be searching Europe for ethylene to supply downstream plants HDPE plant at Grangemouth, Scotland, to up capacity High-molecular-weight polymers as ma- terials for drums Phthalic arrhydride plant at Hull, Yorkshire, being brought back into production. VCM plant at Baglan Bay, Wales, not yet in full operation.	Feb May May Apr	14 23 23 4 17	31 46 39 29 23	personal involvement Sales and earnings in '72	Jan	24	
IV's site NSF-Wyandotte — OCAW settlement at pleasmar, La. Di plant at Geismar, La. expansion R. Relite Xylonite Ltd. — UC acquires 100% www.ership of BXL by buying out Distillers 2.0. BY DESTRUCTION OF THE STATE OF THE STA	June Feb Jan Apr	6 7 17 25	15 27 39 35 27	phenoi plant Elthylene plant at Baglan Bay fire; BP will be searching Europe for ethylene to supply downstream plants HDPE plant at Grangemouth, Scotland, to up capacity High-molecular-weight polymers as ma- terials for drums Phthatic arrhydride plant at Hull, Yorkshire, being brought back into production. VCM plant at Baglan Bay, Wales, not yet in full operation Plant shut down Pitish Titan — Titanio SA see under name	Feb May May Apr Jan June	14 23 23 4 17 27	31 46 39 29 23 33	personal involvement Sales and earnings in '72 Sohio's prophylene-to-acrylic process wins first U.S. assignment Celanese Canada — Columbia Cellulose up for sale again: tentative agreement to sell some operations to Weyerhaeuser falls through Celanese still formulating specific proposal regarding disposition of CCC Celanese will sell ColCet to B.C. provincial government (79%) and the sub-	Jan Feb Mar	24 21 28	
IV's site NSF-Wyandotte — OCAW settlement at pleasmar, La. Di plant at Geismar, La. expansion R. Relite Xylonite Ltd. — UC acquires 100% www.ership of BXL by buying out Distillers 2.0. BXL by buying out Distillers 2.0. BXL by buying out Distillers 2.0. BY B	June Feb Jan Apr Mar	2 6 7 17 25 21	15 27 39 35 27 41	phenoi plant i Bagian Bay fire; BP will be searching Europe for ethylene to supply downstream plants. HDPE plant at Grangemouth, Scotland, to up capacity. High-molecular-weight polymers as materials for drums. Prithalic arhydride plant at Hull, Yorkshire, being brought back into production. FVM plant at Bagian Bay, Wales, not yet in full operation. Plant shut down. Plant shut down. British Titan — Titanio S.A. see under name TiOp plant at Huleva. Spain, planned. Morckway Glass. — Acquisition of Prototype	Feb May May Apr Jan June	14 23 23 4 17	31 46 39 29 23	personal involvement Sales and earnings in '72 Sohio's prophylene-to-acrylic process wins first U.S. assignment Celanese Canada — Columbia Cellulose up for sale again; tentative agreement to sell some operations to Weyerhaeuser falls through Celanese still formulating specific proposal regarding disposition of CCC Celanese will sell ColCel to B.C. provincial government (79%) and the subsidiary's minority holders (21%) Celanese Chemical — Annual report includes	Jan Feb	24	
IV's site NSF-Wyandotte — OCAW settlement at seismar, La. Di plant at Geismar, La. expansion R. Settle Xylonite Ltd. — UC acquires 100% www.ership of BXL by buying out Distillers 2.0. Settle Xylonite Ltd. — UC acquires 100% www.ership of BXL by buying out Distillers 2.0. Tenerical test and part of process will get a commercial test and part of the commercial test and part of the commercial test and part of the commercial test on the commercial test on the commercial test of the commercial test o	June Feb Jan Apr	6 7 17 25	15 27 39 35 27	phenoi plant i Bagian Bay fire; BP will be searching Europe for ethylene to supply downstream plants. HDPE plant at Grangemouth, Scotland, to up capacity. High-molecular-weight polymers as materials for drums. Prithalic arhydride plant at Hull, Yorkshire, being brought back into production. FVM plant at Bagian Bay, Wales, not yet in full operation. Plant shut down. Plant shut down. British Titan — Titanio S.A. see under name TiOp plant at Huleva. Spain, planned. Morckway Glass. — Acquisition of Prototype	Feb May May Apr Jan June Feb June	14 23 23 4 17 27 28	31 46 39 29 23 33 23	personal involvement Sales and earnings in '72 process wine first U.S. assignment of the sales and t	Jan Feb Mer Apr Mer Feb	24 21 28 11	
IV's site NSF-Wyandotte — OCAW settlement at seismar, La. Di plant at Geismar, La. expansion Relite Xylonite Ltd. — UC acquires 100% www.ership of BXL by buying out Distillers 20. State of the State of the State of S	May June Feb Jan Apr Mar Feb Mar Mar	2 6 7 17 25 21 7 21 14	15 27 39 35 27 41 36 49 35	phenoi plant it Bagian Bay fire; BP will be searching Europe for ethylene to supply downstream plants. HDPE plant at Grangemouth, Scotland, to up capacity. High-molecular-weight polymers as materials for drums. Prithalic arhydride plant at Hull, Vorkahre, being brought back into production. FVCM plant at Bagian Bay, Wales, not yet in till operation. Part shut down. Brists Titan — Titanio SA, see under name TiOp plant at Huelvas, Spain, planted. A Brockway Glass. — Acqualision of Prototype Plastic Container plant at Nashua, NH. Floken High. Py. — Monsanto may join BHP in building styrene monomer plant in Australia.	Feb May May Apr Jan June Feb June May	14 23 23 4 17 27 28	31 46 39 29 23 33 23	personal involvement Sales and earnings in '72 Sohio's prophylene-to-acrylic process wins first U.S. assignment Celanese Canada — Columbia Cellulose up for sale again: tentative agreement to sell some operations to Weyerhaeuser falls through Celanese still formulating apeorific proposal regarding disposition of CCC Celanese will sell ColCel to B.C. provincial government (79%) and the subsidiary's minority holders (21%). Celanese Chemical — Annual report includes operating results Celon acottal copolymer prices — N. Haude, William not being considered for high post at Pfastics Dw. (correction) . N	Jan Feb Mar Apr Mar Feb	24 21 28 11 21	
IV's site S-Hyandotte — OCAW settlement at pleasars. La Di plant at Geismar, La expansion Relate Xylonite Ltd. — UC acquires 100% www.ership of BXL by buying out Distillers 20, wherethy of BXL by buying out Distillers 20, which was a simple of the State of State	June Feb Jan Apr Mar Feb Mar Apr	2 6 7 17 25 21 7 21 14 18	15 27 39 35 27 41 36 49 35 13	phenoi plant at Bagian Bay fire; BP will be searching Europe for ethylene to supply downstream plants. HDPE plant at Grangemouth, Scotland, to up capacity. High-molecular-weight polymers as materials for drums. Phithalic arhydride plant at Hull, Yorkshire, being brought back into production. FVCM plant at Bagian Bay, Wales, not yet in full operation. Plant at Hull, Yorkshire, 10c plant at Hulevas, Spain, planted. M Brickway Glass. Acquisition of Prototype Packaging Glass. Acquisition of Prototype Packaging Class. Acquisition of Prototype Packaging siyene monomer plant in Australia. Brush Welfman.— Hayward, Calil, benyllium related components closed.	Feb May May Apr Jan June Feb June May June	14 23 23 4 17 27 28 13 16	31 46 39 29 23 33 23 21 25	personal involvement Sales and earnings in '72 costs wine first U.S. assignment of the Sales and	Feb Mar Apr Mar Feb Jan Feb June	24 21 28 11 21 14 3 21 27	
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N 's site N SF-Myandotte — OCAW settlement at Jesismar La. 20-10 plant at Geismar, La. expansion R kelite Xylonite Ltd. — UC acquires 100% somerating of BXL by buying out Distillers 20-10 plant at St. by buying the Concessions. Ltd. — Nickel-copper matte for AMAX. Banque Francaise de Commerce Exterieur — Petrochemical complex planned for Petrochemical complex planned for Market 10-10 plant at St. by buying the Complex planned for Petrochemical Complex planned for Market 10-10 plant at St. by buying the Complex plant for BP Chemistry buying the Complex plant at St. by buying the Comp	June Feb Jan Apr Mar Feb Mar Mar Apr Mar Apr	2 6 7 17 25 21 7 21 14 18 14	15 27 39 35 27 41 36 49 35 13 23 37	phenoi plant at Bagian Bay fire; BP will be searching Europe for ethylene to supply downstream plants. HDPE plant at Grangemouth, Scotland, to up capacity. High-molecular-weight polymers as materials for drums. Phithalic arhydride plant at Hull, Vorkshire, being brought back into production. FVCM plant at Bagian Bay, Wales, not yet in full operation. Part of the Plant at Hull, Vorkshire, VCM plant at Bagian Bay, Wales, not yet in full operation. Plant Shut down. Brists Titan — Titanio S.A. see under name TiOp plant at Huelvas, Spain, planted. A Brockway Glass. — Acquastion of Prototype Plastic container plant at Nashua, NH. Scoken Hull Ply. — Monsanto may join BHP in building styrene monomer plant in Australia. Brush Welfman — Huyward, Calil, beryllium metal components plant being closed. Snyton Chemicals. — Witco acquires plant at Trainer, Pa. Bunawerke Huels. — Merger with Stero-kauschukwerke	Feb May May Apr Jan June Feb June May June May May	14 23 23 4 17 27 28 13 16 6	31 46 39 29 23 33 23 21 25 33 29	personal involvement Sales and earnings in '72 Possion Sales and earnings in '72 Possion Sales and earnings in '72 Possion Sales and Sales and Sales and Sales and Sales and Sales S	Feb Mar Apr Mer Feb Jan Feb June May	24 21 28 11 21 14 3 21 27	
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Central Soya — Soy granules and isolated soy protein	May	9	26	printing European companies have increased profits by diversifying into pharma-	Feb	28	47	Continental Can — ECC moves to block CC's acquisition of a Dutch packaging company overturned by Court of Justice; however			
PPG's glass fiber insulation assets R	Mar	28	23	ceuticals, are expanding at home and				the court affirmed the commission's			
PVC polymerization plant at Lake Charles, La, three new PVC pipe plants and six				Sales in '72	Apr	11 7	36 20	authority to control multinational mergers that lessen competitionN	Feb	28	23
glass-fiber plants	Apr	18	25	Suit against Zenith Labs. for infringement	June	20	16	Continental Oil — Bryton Chemicals synthetic petroleum sulfonates plant at Trainer.			
ing under attackN	Mar	21	27	Cie. Francaise de l'Azote — Fertilizantes	June	20	10	Pa., closing because of labor problemsR	Apr	4	29
Houston Ship Channel waste water dis- charge permits hearings: EPA dis-				Fosfatados Mexicanos will buy phosphoric acid N	Apr	18	25	Chinese talks discuss exploitation of pos- sible oil reserves in the outer continental			
couraging central waste treatment plants that can process effluent from				Cie. Francaise Goodyear S.A. — Widmer says changeover to powder rubber proc-					May Mar	30	14
several industrial plantsN	May	23	39	essing will ultimately make obsolete all of				OCAW serves strike notices	Jan	21	45 15
\$100,000 air pollution fine levied against Pasadena, Tex., plant	Mar	21	18	the mixing equipment now in use Cities Service — Copper sulfate pricesN	May	23	25 28	Petroleum coke manufacturing plant in France planned	Apr	4	29
Chantier de l'Atlantique — "The world's largest" methane tanker, Gadinia, delivers				Levey Div. ink factory and warehouse in Chicago destroyed by explosion and				Witco acquires Bryton Chemicals plant at	May	23	24
first full cargo of LNG to Japan	Jan	24	15	fire Philblack will recommend that share-	June	6	28	Cooper Laboratories - Fisons pays \$8 mil-	rviay	23	24
Chatham Mgf. Co Scott-Chatham Co. see under name				holders accept joint bid	May	16	22	lion for worldwide rights to six drug products	June	6	35
Chem Systems — Contract for Algerian petrochemical complex	Mar	7	20	Phosphatic fertilizer complex and phos- phate rock mining and recovery opera-				Cooper Tire & Rubber — Radial tires produc- tion will begin at TexarkanaR	May	9	17
Chemalloy Minerals — Bids to buy back the 25% interest in Tantalum Mining sold to				tions in Florida sold to Soc. des Par-	Feb	7	9	Cooperative Farm Chemicals Assn. — Urea	····ay		
Manitoba DevelopmentR	May	30	15	Cities Service Gas — Studying projected for	100	,	9	fertilizer plant at Lawrence, Kan., planned	Apr	18	15
Chemetron Corp. — Air-separation plant at Tulsa	May	30	15	four coal gasification plants and a 700-mile pipeline	Mar	28	25	Cordova Chemical — Fine organic chemicals expansion at Sacramento, Calif R	Apr	18	15
Antimony Products Ltd. formedR Gas sales spark a building boom	May	30 13	47 25	Cities Service Gas — Studying projected project for four coal gasification plants and				Coming Glass — Agreement to supply at least 20% of Ford's ceramic substrates			
'72 sales and earnings: preliminary re-				a 700-mile pipeline	Mar	28	25	to be used in catalytic converter systems .R	May	30	15
port Chemi-Gruenenthal GmbH — Thalidomide	Jan	3	12	design will start shortly	May	23	40	Corporacion Venezolana del Petroleo — Methanol venture	Apr	18	39
drug, Contergan: agreement on damages. Chemical Construction Corp. — Acquired by	Feb	7	15	Cleveland-Cliffs Iron — Vertical kiln process may end oil-from-shale bottleneck	Apr	18	33	Methanol ventureN Courtaulds, Ltd. — Acquires ICI's Intex plant at Lame, Northern Ireland	Feb	28	15
Aeroiet-General	Feb	7	17	Cleveland Consolidated — Boulby, York- shire, potash mine expects full produc-				Expansion of nylon, polyester and acrylic			
Algerian NGL plant at ArzewPl Complex that will liquely Sahara gas will	Feb	14	34	tion by '74	Mar	14	31	fiber units planned	Feb	28	15
be built at Arzew	Apr	- 11	13	bet in molybdenum's future	Jan	3	18	plex planned at Campsie	May	2	23
tunnel directly under Marl complex causes				Clorox Co. — Clorox 2, non-chlorine bleach Coahoma Chemical — EPA's Ruckelshaus	Apr	25	51	kenny, Donegal, plannedN	Mar	21	47
damage, but Huels cannot sue either GAV or BASF	Feb	21	38	did not need to file an environment impact				Sales and earnings, fiscal '72R Test marketing, Kesp, a "synthetic spun	June	20	19
Mönkemeyer, Karl president: A late start didn't keep him from winning	Mar	14	48	statement prior to his decision to ban DDTR	Jan	10	18	meat" derived from soybeansN Courtaulds North America — Fiber pricesN		2 25	31
Sales in '72	Feb	21	39	Correction Coastal States Gas Producing Co. —	Jan	17	18	Crofshaw Engineers - Establishes an office		9	28
Sterokautschukwerke see under name	June	20	19	Colorado interstate Corp. becomes sub-	lee	3	40	Crompton & Knowles - Chemical Group	May	9	28
Chemnor Corp. — Strengthening its patent position in dimensionally stable anodes . N	Mar	14	40	sidiary	Jan	20	16 13	president William Ferracone: When it comes to profits he's wide awake	May	9	40
Chemplex Co Mitsubishi looking for PP				Sharp curtailment of natural gas supplies hampers productionN	June	13	13	Delecluse at CMRA predicts fiber con-		16	21
joint venture with U.S. partnerN Chemtex Fibers — Engineering for Indian	Feb	21	37	Texaco-Coastal States deal challenged by Justice Dept. antitrust suit	June	20	13	cros, S.A. — Spanish government encour-	May	16	21
nylon tire cord plant	June	20	19	Coldgas Trading Ltd "The world's largest"	Julie	20	13	aging the construction of chemical plants big enough to compete in Europe	Apr	18	27
polyester staple plant at MogilevR	Feb	21	39	methane tanker, Gadinia, delivers first full cargo of LNG at Osaka Gas' terminal	Jan	24	15	Crown Central Petroleum — Houston Ship Channel waste water discharge permits			
Russian polyester staple plant: Unde beats out Chemtex for contract	May	30	49	Colgate-Palmolive — Acquisition of Helena Rubinstein	May	30	15	hearings: EPA discouraging central			
Cherifien des Phosphates — Phosphoric acid plant planned for Morocco	Feb	28	23	Detergent marketers bracing for a major	······	00	1.0	waste treatment plants that can process effluent from several industrial plants N	May	23	39
Cherokee Nitrogen Ammonium nitrate				promotional battle in N.Y. as the state- wide ban on phosphate detergents takes				Crown Zellerbach — Japanese joint pack- aging venture; 50% interest sold to			
warehouse at Pryor, Okla., fire and ex- plosion	Jan	24	19	Stock offering of shares for the Kendall		6	36	Dainippon InkR	May	2	15
Chevron Chemical — Charged with shipping misbranded pesticides	Mar	7	9	family and various Kendall trusts F Stock splits	Feb Feb	21	21	Oxygen pulping will be commercially available in five years, says Barton	Mar	14	21
Maleic anhydride project studied		14	11 23	Collier Carbon & Chemical — U.SJapanese	. 100	2.	-	Cryoplants Ltd. — Air-separation plant for Cia Sideurgica da Amazonia	Jan	17	44
China Petrochemical Corp Sohio's proc-				methanol venture being planned for Alaska	June	20	20	Air-separation plant for Korea's Hyundai Construction		7	36
ess to make acrylonitrile licensed F Chinhae Chemical — Chungju wants to sell	R May	30	47	Collo GmbH — Sanilan, control for odors, developed	Mar	14	42	Curtiss-Wright — American Motors obtains	100		50
shares Chisso Corp — Mercury: record pollution	. June	27	39	developed Colorado Interstate Corp. — Becomes sub- sidiary of Coastal States Gas Producing				a license for U.S. rights to the Wankel engine	Feb	28	43
damage penalty assessed	Mar Jan	28 10	32 45	Co. F. Columbia Cellulose Co. — Celanese agree-	Jan	3	16	Cutter Laboratories — Annual meeting: Pres. Cutter says it would be "inappro-			
Chisso Engineering — HDPE plant for Korea Chiyoda Chemical & Engineering — Korean	Jen	10	40	ment to sell some operations to Wever-				priate to speculate" on effect of recall of 5% dextrose intravenous solutions	Apr	4	23
government conducting a feasibility study on expansion of caprolactem plant	Jan	10	46	haeuser falls through Celanese still formulating specific pro-	. Feb	21	18	Hecall of intravenous 5% dextrose solu-	7 401		20
Chlorine Technology Ltd. — Sherwin- Williams, first U.S. licensee of ilmenite				posal regarding disposition of CCC. Celanese will sell ColCel to B.C. pro-	. Mar	28	22	tions made at Chattanooga, Tenn. sus- pends dividends, postpones earnings			
beneficiation technology	. Apr	4	39	vincial government (79%) and the sub-			**	report	May	9	17
Christian Brothers — Liquor ingredients label- ing rule could mean switch in additives	. May	16	31	sidiary's minority holders (21%) Columbia Cement — Filtrol Corp. may buy	. Apr	11	19	sion	Apr	25	18
Christiana Securities — Merger with Du Pont under scrutiny	. Feb	14	26	operations in Ohio and Wash	Feb	14	27				
Du Pont's stockholders file suit to enjoin proposed merger	A June	20	16	natives suspected of being carcinogenic Commonwealth Edison — Garbage for power	. May	9	16	U			
Chromalloy American — Ferro Tic, steel- bound carbide material used for apex				generation: segregated and shredded city	5 Adms		42	DMP Corp Reverse-osmosis system for			
heals Chrysler Corp. — Catalytic converters com-	. June	13	29	solid wastes to generate steam! Quad Cities' Units 1 and 2 get full-term	Mar Mar	. '	43	Army's Rock Island, III., arsenal DOR Chemicals — Methanol plant starts	. May	2	35
pany will try to restrict converters only to				Commonwealth Oil Refining Airco's	. Jan	3	15	up	R Feb	21	39
California autos Catalytic converters: substrate problems	N June	6	55	mishap at Puerto Rican air-separation plant	I Mar	14	11	tion in planning new investment in		10	40
reported Emission standards: EPA urged to adopt a	Jan	24	14	SEC looking into Corco's use of "true in-		140	**	Rigips Nederland see under name		10	48
compromise package	. Mar	21	21	dustry values" instead of actual sales prices as the basis for about 74% of its				Sales and earnings, '72	R May	23	46
EPA hearings on emission control bring up new controversy: Did Engelhard lose				reported earnings in '72	. Apr	18	15	lactam joint venture in Japan R Apr 4-29 .F Dainippon Ink & Chemicals — Buys 50%		2	23
out with Chrysler because it was too ag- gressive in promoting catalysts?	. Apr	11	35	olefins plant in Puerto Rico Anatomy of a lawsuit	. Jan . Feb	31	14 15	interest in joint packaging venture from			
Chungju Fertilizer — Wants to sell shares of	(6)			Penuelas plant will be back in pro-				Crown Zellerbach		2	15
Cia. Espanola de Petroleos (CEPSA)				Conoco Chemicals Alfol plant at Lake	R May	23	24	with Reichhold	R Jan	24	32 50
Emerging as a chemical force Cia. Insular de Canarias — Phosphoric acid	. Apr	18		Charles, La., reaches capacity	R Mar	21	24	Rumanian joint venture for petroleum-		31	22
project Cia. Culmica — Argentina's PBB complex	. May	9	27	waste treatment pay off: fast-growing ser- vice is built on low-cost plant operation			**	Synthetic protein plant postposed		7	20
plant project	Mar	14	30	Consolidated Murchison Ltd. — Antimony		4		acid ester joint venture with Mitsubishi F	R Feb	7	36
Cia. Sideurgica da Amazonia — Air- separation plant planned	R Jan	17	44	Products Ltd. formed Consolidated Thermoplastics — Chippewa		30	47	Daiwa Spinning — Japan acts against fiber		3	29
with Mitsubishi awaits government ap-				Falls, Wis., PE film plant doubles ca-		14	27	Dart Industries — Annual meeting; '73 out-	May	2	12
Plant to be built near Liscon	R Feb		36 47	Consolidation Coal — Metallurgical coke	R Apr	25	21	Dart Industries' Chemical Group - Syn-		-	12
Ciba Ltd. — Cotoran, broad-spectrum cottor	1			marketing feesibility study Consumers Power — Nuclear plant at Mid-				thetic Products Div. — metallic stearate manufacturing units expansion	R May	16	25
herbicide; price boost is under fire	N Apr Feb	11 28		Nuclear power plant at Quanicasses.	. Jan	3	15	Davy-Ashmore Changes its name to Davy International	R May	23	46
Ciba-Gelgy Dispersion dyes for therms	1			Mich., proposed	N May	9	34	Simon Engineering wants to take over			

D-A	Jan Mar	17 21	36 50	Ethylenimine monomers and polyethylene polymers production stopped because					Jan	24	31
AshmoreR	May	23	46	of OSHA's imposition of zero exposure standards	May	30	37	European sales expected to double, to \$1 billion, by '78	Apr		31
Dead Sea Periclase — Magnesium oxide plant at Mishor Rotern, Israel	May	9	27	Ethylenimine will get back in produc- tion	June	20	9	Fiber B expansion?	Feb	21	13
DeBell & Richardson — "Plastics Waste Disposal Practices in Landfill, Incineration,				Freeport, Tex., cutback due to Texas gas curtailments	Jan	3	14	for radial tires (charts)	Jan June	31	21
posal Practices in Landfill, Incineration, Pyrolysis and Recycle" report Deepsea Ventures — Pilot-planting and im-	Feb	28	51	Freeport, Tex., ethylene boost Freeport, Tex., to get another 1,000-tons/-	Apr	25	15	Filament units in West GermanyN	Apr	18	31
proved process for chemical and electro- lytic recovery of nodules that will be sucked				day chlorine plantN	June	6	21	French petrochemical project con- sidered	Jan	17	25
up from the ocean floor and carried by	Mari	20	20	Gerstacker says foreign countries should buy stock in big U.S. companies to help				Geologic explorations aimed at proving to Georgia officials that the company can			
ship to an onshore plant (chart) Degussa — Methionine plant at Antwerp,	May	30	39	offset our trade deticit	May	16	17	safely dispose of wastes from its plan-	June	27	45
Belgium	Jan Jan	31	22	Glycerin prices	Feb	28	29	Georges, John new environmental direc-	JUNE	41	40
Del Laboratories — Home permanent wave market	June	6	71	SDA convention	Jan	31	14	tor: For him, a stitch in time saves mil- lions	Feb	14	84
Delco Chemical — Amphetamine: U.S. puts down diet 'ups'	Apr	11	19	McCollister predicts enormous costs in testing new products and uses under				Hypalon synthetic rubber for two hilltop reservoirs	Apr	11	20
Delhi International Oil Corp. — South	ripi	**	10	proposed regulations of toxic sub- stances control bill	Apr	11	28	ICWU pitches for plants	May	23	20
	Apr	11	25	Meeting (annual) stresses international operations	May	9	15	Schlimme: He wanted a trip and got the	A		
Delmarva Power & Light Getty, Delmarva and Delaware compromise on tow-sulfur				Midland, Mich., complex: Landscape plan				lonomer powders for protective coatings	Apr Apr	11	64 32
fuel use Nuclear power station near Middletown,	Jan	10	16	is aimed at transforming 'Fortress Dow' — letter	Feb Mar	21	45	Ireland Orlon acrylic fiber facilities at Maydown works expansion	June	13	21
Del	Jan	10	18	Midland, Mich., division will build a lagoon to treat effluentsN	Mar	7	43	Lab computers do it faster	May	9	36 37
plant in South Africa plannedR Foote will distribute Delta's electrolytic	May	30	15	Midland, Mich., nuclear plant gets okay Negotiating for an interest in Philips'	Jan	3	15	McCoy, Charles B. at the AIChE meeting	Mar	21	45
manganese chip and related products	Man	20	45	Duphar pharmaceutical division R Overseas sales and capital spending	Jan Mar	10 28	46	McCoy sees new period of growth for science	May	16	47
Desarrollos Industriales - Acquired by	May	30	15	Pearson at CMRA sees thermoplastics demand reaching 160 billion lbs. by	11100	-		Meeting (annual): first-quarter results Mendolia, Arthur named as Assistant	Apr	18	14
UEE-Rio Tinto Deutsch, Shea & Evans — Index for	Mar	21	49	2000 Pittsburg, Calif., plant: Sun shines on	May	16	21	Secretary of Defense for installations logistics	June	13	19
engineer-scientist demand	May	16	47	plant's zero discharge goal Plans to shift contract strategies for	May	16	57	Merger with Chrisiana under scrutiny Stockholders file suit to enjoin proposed	Feb	14	26
production in '72	Jan	24	32	"energy intensive" chemicals are in-				merger	June	20	16
and pesticides charged Dexter Corp. — Majority interest in Soc. des	Jan	17	19	accurate says company N Polystyrene prices N Process to make methyl chloride and car-	June Feb	6 28	21		Feb	14	68
Vernis Bouvet to be bought	May	2	23	Process to make methyl chloride and car- bon dioxide from sodium chloride brine				Mylar polyester film plant in Luxembourg to be expanded	Jan	17	25
phosphate plant plans a: Nhava-Sheva				contaminated with acetic acid devel- opedN	Feb	28	43	Nader's report — CW wins Jesse H. Neal Awards: Winning Team's modest bow —			
Diagnostic Data Co. — Anti-inflammatory	Jan	10	46	SOAP project: Dow drops out; Du Pont	100		10	Pehind the News 73 educational aid programR	Feb Feb	21	5 17
drug for treatment of humans	Feb June	13	39 23	and Polymer must now decide whether they want to proceed	Mar	14	12	Nomex and Fiber B nylon: producers feel generic names for fibers could boost			
Decision to sell Pickands Mather was not financially motivated says Chairman			-	SOAP project isn't dead	May	30	9	sales	Mar	14	42
Hughes	Jan	3	7	reverse osmosis will be tried at Walnut Creek, Calif., research center	Mar	14	39	Nomex and Tyvek capacities at Richmond, Va., to be doubled	i. lay	30	37
First "integrated service" contract in chem- cal distribution pact signed	N Mar	21	31	South Australia site for a petrochemical complex considered	Apr	11	25	Nomex nylon and Mylar polyester film coated with aluminum for Skylab sun			
Polyester resins prices PVC capacity takes off (table)	N Apr	18	25	Stock splits Sumitomo negotiating for licensing of	Feb	21	21	Shield Outlook for '73 is "excellent" says McCoy .N	May	30 14	15
Sales and earnings for 72. Three come of		31	13	acrylamide process	May	2	23	Overseas business to grow at 15%/year, reach \$2 billion by '77	Apr	4	43
Wean United reopening Youngstown, O.	. Jan	24	15	project to solve waste problems in the manufacture of 2,4-D	June	12	41	Overseas sales and capital spending Perkin Medal given to Theodore Cairns .N	Mar	28 28	34
	H Jan	10	. 18	Thermoplastic resins expansions include	June	13	40.1	Pollution control devices being marketed	Jan Apr	10 18	43 35 31
modified Fiat	Apr	18	13	polystyrene plant at Joliet, III., and Tyril styrene acrylonitrile resins plant at				PE plant at Victoria, TexR		3	16
Digital Equipment Corp. — Lab computers do it faster	May			Riverside, Mo	May	13	10		May	2	15
Distillers Co. — Thalidomide: agreement or damages	. Feb	7	15	2.4,5-T: appeals court lifts injunction bar- ring EPA action	May	2	14	Process for polyester plant at Mogilev, Russia	Feb	21	39
UC acquires 100% ownership of Bakelite	. June		27	Dow Chemical Europe - HDPE plant and a	,			'Raiders' see progress, but contend many more changes are needed	Mar	7	14
Distragaz — Natural gas contract Dixie Chemical — Joint-venture calcium	R Jan	31	15	polystyrene unit at Tessenderloo, Belgium, planned	i Jun	27	37	R&D investment reaps rewards N Reverse-osmosis equipment could get	Feb	7	9
hypochlorite plant at Raymort Tay	R May	2	15	Merszei sees division's sales growing 20%/year during next five years, profits				market lift from huge plant mapped by U.S.	June	13	17
Dome Petroleum — Canada: Dow negotiating to tie in with DP's proposed ethane pipe				climbing twice as fast	. May	23	44	Sales and earnings: '72 preliminary report	Jan	3	12
Dow and DP may build complex in) mai	14	12	at Frankfurt, Duesseldorf and Ham-	- Fab	7	26	Sodium perborate capacity and output of Oxone monopersulfate compound at			
Alberta	N Apr May	25	13	Dow Chemical of Canada - Negotiating to	Feb	,	36	Memphis, Tenn., plant will be doubled .R Stuckey told CMRA the boom probably will		27	15
Dow Badische — Acrylic spinning plant in Williamsburg, Va. planned	H May	9	17	tie in with Dome Petroleum's proposed ethane pipeline	Mar	14	12	last another year and a half	May Feb	16 28	21
Caprolactam plant planned	R Apr	25 23		Alberta	Apr	25	13	Taylor, B.M. discusses decline in engineer- ing enrollment	June	27	43
Nylon prices	N JUN		23	Dow Corning — Semiconductor Products —	. May	2	14	Titanium dioxide expansion TO ₂ overseas ventures	Apr Apr	4	39 43
science, waste-treatment design firm Key to profits in pollution control	Jan	10	35	mini-calculator sales growth will boost market for chemical components	. Feb	7	27	Titanium dioxide plant at Brunswick, Ga.		2	15
Argentina's PBB complex plant project Barnes, Earle at AlChE meeting says	. Mar	14	30	Dow Quimica Chilena — Polystyrene plant in Santiago is "definitely moving toward				Titanium dioxide plant site in Europe			
society is demanding higher-quality management	Mar	21	45	a complete sellout"	. Feb	28	15	sought	Feb	28 25	23 30
Borrow now, build later — the thinking be	M turn		9	Dream Wall Sales, Ltd. — Paint-on 'wall- paper'	. June	20	24	Tribaloy inter-metallics for rotor apex seals . Wastes disposal: EPA grants 90-day permit	June	13	29
hind latest debt offerings Brazil will play a bigger roles in Dow's	3			Dryden Chemicals Ltd. — Court actions on mercury dumping charges	. Apr	11	34	for Edge Moor, Del., titanium pigments plant but only 70-day permit for Linden,			
Brazilian investment boost	N Mar		33	Drynamels — Gas strike cuts supplies Duperial — Phthalic anhydride capacity in-	Feb	21	37	N.J. intermediates plant	May	2	14
Chemical employment is up (table) Chilean government is moving to legalize	. Apr	4	24	Du Pont de Nemours, E.I. & Co. Inc. —	. June	20	19	of textiles and fibers called forN Du Pont of Canada — Acrylic fiber plant	Mar	14	33
its Oct. '72 takeover of Petrodow, poly styrene plant in Santiago, is "definited moving toward a complete sellout"	,		-100	Acetal resin plant in Netherlands	I Apr	18	31	at Maitland, Ont., capacity boostR	June	6	35
Chilean government's controller rules that	1	28	15	duction will be discontinued		23	31	Sales and earnings for '72'	Feb May	9	31
the Ministry of Economy's takeover of Dow petrochemical operations at Con	1			Production will continue Birmingham, Ala., pollution suit will not be		30	37	SOAP project: Dow drops out; Du Pont and Polymer must now decide whether			
cepcion last Oct. was illegal Chile's elections: Dow and other U.S. in	Jan	10	45	heard by Supreme Court Brazilian venture: 40% share in Isocianatos	. Feb	28	16	they want to proceed	Mar	14	12
vestors get little splace	N Mar	e 13	33 23	do Brasil, which will build a toluene di- isocyanates plant in Camacari, Bahia .N	June	6	33	SOAP isn't dead N Durkee-Atwood Rubber producing facil- ities in Red Wing, Minn., expansion R		13	21
Chlorine, vinylidene chloride, calcium	N Mar			Cantwell discusses emission controls at	May	23	27	Duval Corp Hydrometallurgical copper	- Con Ho	1.0	
Colombian LDPE venture interest sold to)			API refining meeting Charleston, S.C. site for a plant to manufacture Decron polyester staple and	,			processing plant at Esperanza mine planned	June	13	21
Continuous electrolytic titanium procesi	N Jan	17	25	tilament tibers	June	13	21	Sulfur prices Dynapol — Testing the idea of tying additives into a polymer, forming a molecule too	Jan	24	19
to be used at Howmet's Whitehall, Mich plant		9	33	Chemical employment is up (table) Copper-bearing chemicals prices Dispersion dyes for thermal printing	. Apr I Mar	14	24	into a polymer, forming a molecule too large to be absorbed in the intestines N	June	27	40
Decker, Gerald discusses increase in the cost of hydrocarbons	· · MIBI	14	24	Dye producers receive subpoenss in a	. Feb	28	47	The state of the s			
Decker sees soaring fuel and feedstock prices driving up the cost of chemics	i i			Justice Dept. investigation of industry pricing practices.	. Feb	21	18	E			
Ethylene needs may be filled by building	. May	16	-21	Energy conservation program has trimmed energy requirements 7-15% year, says				EAI — Lab computers do it faster	May	9	36
crude oil refinery at either Freeport Tex., or Plaquemine, La		16	23	consultant manager G.F. Moore	i Mar	28	25	EFIM — Montedison to sell four aluminum plants to EFIM		13	20
ready or transportation, that	·······································	,0	20	Laropean project — sites under contributs				position to terms	- GOLIE	13	30

ELF Group — Petroleum coke manufacturing plant in France plannedR	Apr	4	29	across Australian bay after two-year delay (map)	Feb	28	25	Fastran AG — Thermal printing of woolens	Jan Feb	3 28	34 48
ESB - Manganese processing plant pur-	Feb	28	19	Esso Pappas Chemical - PVC capacity at Salonika plant expansion	May	23	46	Federal Carton — Stone Container acquires assets and business	May	9	17
EVI Co. — Cellulosic plastic used in People		1700		Ethyl Corp. — Dividends up	May	9	17	Fenasa — Fertilizer marketer	Apr	18	27
Powered Vehicle E Z Vue Products — Cellulosic transparent	May	9	21	crimination at Oxford, Me., paper plant .R	May	16	25	Fenoquimica — Phenol plant in Mexico R Fero Corp. — Acquisition of Cataphote	Feb	7	36
mailbox Earth Sciences, Inc. — Alunits joint-venture	May	9	21	Houston plant gas supply cut due to Texas gas curtailments	Jan	3	14	Corp	June	20 27	16 12
agreementR	Jan	31	15	Lead antiknock fluids pricesN	Mar	14	28	N.Y. financial analysts hear '72 report, '73			
Project will get pilot test	June	13	43	Meeting (annual) Pasadena operation suffers reduction due	May	9	15	outlook Power coating technology of Ruhr-Pulver-	Feb	7	16
makers face capacity shortagesN	May	16	33	to Coastal States curtailment of natural	June	13	13	lack licensed	Apr	11	18
Eastman Chemical Products — Cellulose acetate market	May	9	21	PVC capacity upped at Tiptonville, Tenn R	Apr	25	21	Fertilizantes de Iberia — Gulf's interests not	Apr	11	18
Longview, Tex., ethylene operations pro- spective expansion	May	16	17	Unzelman discusses emission controls at API refining meeting	May	23	27	involved in sale to UEE-Rio TintoR 50% interest in FI will be sold to UEE-	Jan	17	44
Oxygenated solvent pricesN	June	6	36	Ethylene Plastique - LDPE unit at Lille-	Jan	31	22	Rio TintoN	June	6	33
Phthalate plasticizer prices	Feb	21	25	zonne, France, onstream				Fertilizantes Fosfatados Mexicanos — Cus- torner for IMC fertilizer plantN	May	2	27
charges Kodak blocks competition in	100	47	21	of article 86 challenged	Jan	3	25	Mexico touts a petrochemical Garden of			
Berkey Photo suing EK for triple damages	Jan	17	21	up	June	6	71	Phosphoric acid to be bought from Cie.	Mar	28	33
for attempts to monopolize the photo- graphic industry	Feb	7	17	Evans Products — Building materials group forms a plastics division	June	6	29	Francaise de l'Azote	Apr	18	25
GAF files antitrust suit against Kodak Polyester film base unit in Windsor, ColoR	May	9	13 27	Exomet, Inc. — Flexible matting for heat- treating field welds by exothermic chemical				Fertilizer Corp. of India — Ammonium phos- phate plant in the Persian Gulf: FCI nego-			
Eaton Corp. — Air-bag safety systems' con-		14		reaction	Apr	4	51	tiating with Kuwait for collaboration in building plan	Jan	10	48
tracts Ebara Mig. Co. — Joint research project to	Feb	21	19	Exxon — Baton Rouge, La., ethylene plant ups capacity	Apr	25	15	Nangal plant expansion	Feb	7	36
remove SO ₂ and nitrogen oxides from			40	benzene prices	Apr	11	22	Fiber Industries — Polyester staple fiber plant at Darlington, S.C., plannedR	Mar	7	16
heavy-oil flue gas with an electron beam Eberline Instruments — TLD market	Apr	25 27	49 35	Chinese talks discuss exploitation of pos- sible oil reserves in the outer continental				Fibras Esso — Nylon-6 plant to be sold to Usandizaga textile group	Mar	21	49
Ecoimpianti — Kurita and Itoh acquire	Jan	10	46	shelf under the China Sea Clair: Mideast crude cost will boost raw-	May	30	14	Fieldcrest Mills Vance spells out what he	IVICII	61	73
Economics Laboratory — N.Y. Society of				material and energy prices	Apr	11	26	considers to be the necessary waste treat- ment priorities for the textile industry at			
Security Analysts hears prospects Ecopetrol — Dow sells Colombian LDPE ven-	May	30	14	Fibras Esso plans to sell nylon-6 plant to Usandizaga textile group	Mar	21	49	SOCMA meeting	Feb	14	26
ture interestN	Jan	17	25	Highland Uranium Mill in Wyo. receives green light, but AEC sets stipulationsN	Apr	4	31	ietter Filtrol Corp. — Acquisition of PPG's Columbia	Mar	,	5
Eisenberg & Co. — Interested in arranging sale of equipment to Vietnamese investors.	Feb	7	34	Oxo capacity at Baton Rouge is 200 mil-				Cement Div. R Feb 14-27 Dividends slashed in apparent preparation	June	27	11
Elastomer Co. — BASF is embroiled in three- way court battle in Germany, Sweden, over				lion lbs/year Oxygenated solvent pricesN	Mar June	21	29 36	for major acquisitions and expansions	June	27	11
construction of urethane plant	Mar	21	49	Exxon Chemical Co. U.S.A Dexon prod-				Fine Organics — Acquired by Hexcel Finnigan Corp. — "Interactive data system"	Feb	28	18
Eldib Engineering & Research — Dicyclo- pentadiene (DCP) marketsN	May	9	26	ucts: new line of acid and non-acid modified olefin copolymers and ter-				for gas chromatographs and mass spectro-			00
Electro Nucleonics, Inc AEC authorizes				polymers	May	16	33	meters Firestone Synthetic Fibers Co. — Nylon-6	May	9	36
use of previously classified data on uranium enrichment	Jan	17	14	SCM acquires Tintas Ypiranga R		24	32	resin capacity at Hopewell, Va., uppedR	Mar	7	16
Electroclor Argentina's PBB complex plant project	Mar	14	30					Firestone Tire & Rubber — EEOC suit charges discrimination	May	9	15
Electroschmelzwerk Kempten - Silicon				F				Decatur, III., plant to make steel-belted radials	Mar	14	21
Electrode Corp Licensee for Chemnor's	Jan	24	32	FMC Corp. — Capital spending discussed at				Des Moines, Ia., plant expansion	Feb	21	21
anodes N El Paso Natural Gas — Algeria gas deal:	Mar	14	40	N.Y. Society of Security Analysts	May	30	14	General Tire awarded \$3.33 million in patent-infringement suit against Fire-			
Project won't help ease the U.S. energy				Inorganic Chemicals Div. — persulfate unit at Tonawanda, N.Y., explosion and				stone	Feb	14	27
crunch until early '76	Apr	11	13	fire	Mar	14	20	strategy against rubber giantsN	Apr	- 4	41
upheld by Supreme CourtN Plant for converting coal into pipeline-	Mar	14	23	Case pinpointed	Mar	28	25	Johnson, E., head of new Employee As- sistance Program helps solve problems			
quality synthetic gas on the Navajo reser-				ical prospects for financial analysts Meeting (annual): chemical group sales	Mar	28	22	that affect job performance Michelin former employee arrested in	Mar	28	42
vation near Farmington, N.M., planned .R. Studying the feasibility of using an under-	June	27	15	increased	May	9	15	Cleveland on charges of trying to sell			
ground nuclear explosion	Feb	14	27	Purchases the Marox process from Martin	Feb	14	68	Firestone a secret formula for bonding radial tires	Feb	28	19
USSR deal that could bring 1 billion cu.tt./		25	13	Rayon staple capacity expansion at Front Royal, Va., plant		4		PVC capacity takes off (table)	Jan	31	13
day of natural gas to the U.S El Paso-Occidental Petroleum-Bechtel —	May	30	14	Soda ash capacity at Green River, Wyo.,			37	Riley, Richard president: Tire executive doesn't act like a big wheel	June	13	56
Siberian natural gas: U.S. development	Mar	24	17	expansion	Mar	14	28	Strike unlikely URW strike settled	Apr	18	15 14
chances brighten	NAME:	21	17	plant will resume shipmentsF	Apr	18	15	Styrene butadiene rubber prices N	Mar	28	27
United Steetworkers Empresa Nacional de Petroleos de	Jan	17	21	Tower, Raymond executive v-p: He's shoot- ing for a better score in fibers, film and				Firmenich Inc. — Fragrance market	Mar	28 30	40
Tarraggona Standard Oil (California)				chemicals Faberge — Permanent wave market up	Jan	31	48 71	Fisons Ltd. — Anti-inflammatory drug for treatment of humans to be marketed N		7	39
	Mar	7	20	Fabricacion de Anilinas y Productos Químicos				Burton, George new chairman: Vintage	100		33
Multicompany international venture formed				 Acquired by Montedison	June	6	35	auto buff steers company in new direc- tions	June	6	76
to build alumina and aluminum complex Engelhard Minerals & Chemicals — Dividend	May	9	28	plex near Brunsbuettel scheduled to start this fall	Anr	25	27	Hemihydrate process Major growth areas: Europe, Japan and the	Jan	3	34
increaseA	Mar	21	24	this fall				U.S	June	6	35
Emission standards: Leventhal tells EPA that tests have confirmed that tech-				profits by diversifying into pherma- ceuticals, are expanding at home and				Worldwide rights to six drug products bought from Cooper Labs.	June	6	35
nology to meet the standards does exist Engelhard Industries Div. — platinum-	Mar	21	21	French subsidiary brings onstream in-	Apr	11	36	First Boston Corp. — Anaconda's Sebree, Ky., aluminum plant to operate under			
rhenium catalyst, E-601	Jan	3	32	secticide plant at MarlesF	May	2	23	leasing arrangement	May	2	32
EPA hearings on emission control bring up new controversy; did Engelhard lose				Isocyanates plant in Australia plans may be dropped	Feb	21	37	Fleming Joffe Jentra — Jentra: Synthetics aim for bigger cut of shoe market	Mar	7	35
out with Chrysler because it was too	Ame	11	35	Japanese trading company will convert into				Jentra will be expanded	Feb	21	25
aggressive in promoting catalysts? Stock purchase	May	2	15	a joint-venture pharmaceutical manu- facturer	Apr	18	29	Ltd. see under name			
Enjay Chemical — Name changed to Exxon Chemical Co., U.S.A	Jan	10	18	Leverkusen works will use biological puri- fication for industrial and communal				Flo-Kern Products — Mislabeling disinfectants and pesticides charged	Jan	17	19
Enka-Glanzstoff — Capital spending boost .R. Fibers' worldwide production increases	Jan	24 17	32 20	sales and earnings in '72	June Mar	6	35 33	Florasynth Inc Fragrance market	Mar	28	40
Zevenbergen, Bendert president: Nation-				73 first quarter	May	9	29	Food Products, Ltd. — National Starch acquires majority interest	Mar	14	21
aliem took a back seat to economics Ente Nazionale Idrocarburi — European com-	Jan	24	48	Sterokautschukwerke see under name Farboil Co. — Epoxy powders for decorative				Foote Minerals — Delta's electrolytic man- ganese chip and related products to be dis-			
panies have increased profits by diver- sifying into pharmaceuticals, are expand-				finishes on glass containers	. Apr	11	32	tributed in the U.S. and MexicoR	May	30	15
ing at home and abroad	Apr	11	36	Farbwerke Hoechst AG — European com- panies have increased profits by diver-				Dividend payment omitted	June	6	29 15
Environmental Management & Systems —	Mar	28	32	sifying into pharmaceuticals, are expand- ing at home and abroad	Apr	11	36	Proposed merger canceled	May	16	25
Multiple-effect evaporator cuts costs of				Joint ventures see under Hoschst				Sales and earnings, '72, estimated Ford Motor — Catalytic converters: ceramic	Jan	10	18
treating pharmaceutical and food proc- essing wastes (table) Environmental Structures Co. — Vinyi bubble	May	9	31	Sales and earnings in '72	Feb May	14	31 43	substrates	Feb	7	39
will protect construction site from bad				Workers win a 9.9% wage boost	May	9	29	supply at least 20% of ceramic sub-			
weather	Feb	14	68	Farchan Research Laboratories — Acquired by Story Chemical	Apr	18	15	strates	May	30	15
company	.lan	3	16	Farmers Chemical — Fertilizer plant in Tunis, N.C., resumes operation		10	18	reported	Jan	24	14
Esquim — Bisphenol plant at Quernavaca .R Esso-BHP Co. — Australian ethane pipeline	Jan	24	32	Farmland Industries Considering the use				Catalytic converters on up to 25% of new models	I June	6	55
controversy: E-BHP delivers feedstock				of gasohol Phosphoric acid plant at Bartow, Fla., uses	. Apr	4	24	Emission standards: EPA urged to adopt a compromise package	Mar	21	21
										-	

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Powder coating tested		17	36	Georgia Bonded Fibers Co. — SirPel: Syn- thetics aim for bigger cut of shoe market	Mar	7	35	Carleston, Mich. glass plant expansion R	May Mar	2 14	15 21
Phosphoric acid ca- pacity boost at Huelva plant R Mar 21-50	Apr	18	27	Georgia-Pacific — Bese-point pricing under attack	Mar	21	27	Gulf Design — Phosphoric acid plant at Bartow, Fla., uses a reactor of unconven- tional design	Jan	3	34
	June	13	21	to Louisiana-Pacific Corp. about 20% of its assets	Jan Jan	3	7		Feb	7	9
Styrene monomer capacity at Baton Rouge, La., expansion	Mar	28	17	Geoscience Instruments Corp. — Poromerics: Industrial markets are another possibility	Mar	7	35	Gulf Mineral Resources Div. — Vertical kiln process may end oil-from-shale bottle- neck	Apr	18	33
tendered shares	June	20	16	Getty Oil Getty, Delmarva and Delaware				Nuclear entry: 50-50 joint venture with	hone	12	19
and technology with Friedrich Uhde N	Jan	3	32	compromise on low-sulfur fuel use Gewerkschaft Auguste Victoria Mining	Jan	10	16	Royal Dutch/Shell Octane down, output up	June May	13	11
Contractor for Italian petroleum-derived proteins plant	Mar	7	20	directly under the Huels complex causes damage, but Huels cannot sue either GAV or BASF	Feb	21	38	OCAW gets new two-year contracts Port Arthur refinery suffers reduction due to Coastal States curtailment of natural	Jan	17	21
name SNG plants for PSE&G	May	2	33	Gillette - Deodorants and antiperspirants:		-		gasN	June	13	13
Vinyl bubble will protect construction site				FTC orders manufacturers to document ad claims	June	6	26	Reverse-osmosis equipment could get market lift from huge plant mapped by			
from bad weather	Feb	14	68	Personal Care Div. — home perm market . Givaudan Inc. — Fragrance market	June Mar	6 28	71 40	U.S. Spanish companies interest to be sold to	June	13	17
of a 25-year-old consent decree, will ease antitrust restrictions	Jan	17	17	Staph outbreaks raise pressure for end of hexachlorophene ban				UEE-Rio Tinto R Jan 17-44, R Apr 4-29 N	June	6	33
Freeman Chemical Corp. — Polyester resin		28	31	Glass For Cars - Guardian Industries ac-	Jan	31	14	Gulf Oil Chemicals - Ethylene plant at	Mar	,	
expansion Freeport Minerals — Sulfur pricesN	Mar Jan	24	19	quisition challenged	May	2	15	Cedar Bayou Tex Apr 25-15	June	13	21
Fritzche Dodge & Olcott — Fragrance mar- ket	Mar	28	40	bleach	Apr	25	51	Plastics Div. adding HDPE capacity to its Orange, Tex., PE plant	Jan	17	18
Fuel Desulphurization Inc. — Colonel's	· · · · ·			Goodrich, B.F. Chemical — PVC capacity takes off (table)	Jan	31	13	Gulf Research & Development — Work force will be cut 15% on Mar. 1	Jan	10	10
Island, near Brunswick, Ga., possible site for heavy-fuel desulfurization refinery	May	23	19	Goodrich, B.F. Industrial Products — Rubber markets rebound	June	13	20	Gulf Resources & Chemicals — Acquires the remaining 49% interest in Great Salt			
Fuinsa — Canary Islands' phosphoric acid		9	27	Goodrich Tire & Rubber — Strike unlikely	Apr	18	15	Lake Minerals from Kali und Salz	May	16	24
project	May	-		URW strikes seven plants	May	16	21	More details Allen: No company funds to persons in-	May	23	23
Fuller, H.B. — To purchase selected assets	Jan	3	29	Contract includes provision for an in-				volved in Watergate	May	23	23
of Manhattan Adhesives	June	20	16	Goodyear Tire & Rubber — AEC authorizes use of previously classified data on	June	13	21	Gwalior Rayon Silk Manufacturing Caustic soda plant at Nagda onstreamR	Jan	10	46
G				uranium enrichment	Jan	17	14	D D			
GAF Corp Annual meeting; '73 outlook	May	2	12	strategy against rubber giants N	Apr	4	41	н			
Antitrust suit filed against Eastman Kodak .	May	9	13	Pilliod, Charles, Jr., new president: He stresses himself — and U.S. industry	Jan	10	56	H-M Plastics - Suit by Justice Dept. may			
Demmerle, Richard dies	Jan	31	15	PVC capacity at Plaquemine, La., to be doubled	Apr	4	29	cause Japanese to change their game plan for entering the U.S. marketN	June	13	13
master seeks top score in research Sales and earnings in '72; '73 forecast	Mar Mar	21 14	64 16	Sales and earnings in '73 first-quarter Shoe Products Div. — first light-weight	Apr	11	18	HOK Associates — Dow's Midland, Mich., complex: Landscape plan is aimed at	Fab	21	46
Stocks: finishes buying 150,000 common shares	Apr	25	21	solid-rubber shoe sole, made of Neolite, so light, it floats	June	13	19	transforming 'Fortress Dow' Halby Chemical — Permanent wave market	Feb	100	45
G.R.T.L. Co. — PPG assumes full control of its glass-reinforced thermoplastic laminate				Strike unlikely Tentative three-year agreement reached	Apr	18	15	up Halcon/Allen — Interlake Steel's Chicago	June	6	71
venture with UCN	Jan	10	10	with URWN	May	2	8	plant to install system for controlling coke-	lan	24	38
Gasunie — Natural gas contract		31	15	Goodyear Tire & Rubber of Canada — Valleyfield, Que., steel radial tires plant				oven emissions Haldor Topsoe — Technology for Nigerian	Jan	24	-
emulsion users to make their ownN Gaz de France — Natural gas contractR	May	16	47 15	expansion	Feb	21	21	fertilizer complex Hankook Corp. — Korean government con-	May	2	23
Gearhart-Owen Industries - Purchases Du				v-p: The White House is a tough act to				ducting a feasibility study on expansion			
Pont's powder unit at Moosic, Pa R Gelb, R & Sons — Employees shown a film.	May	2	15	follow Grace, W.R. & Co. — Airco's mishap at	May	2	40	of caprolactam plant Harshaw Chemical — Thallium-activated	Jan	10	46
on cancer during working hours	June	27	14	Puerto Rican air-separation plant causes	Mar	14	11	sodium iodide crystal used in antihijacking device	May	2	25
muenster onstreamR	May	2	23	shutdown	PVIGI			TLD market	June	27	35
General Battery — Northwest Industries will offer GB stockholders \$34/shareN	Mar	21	17	venture in Trinidad Laporte-Davison, Inc. see under name	May	9	13	Heidrick & Struggles — Survey: What's a chemical president?	Jan	10	43
General Box — Acquisition of St. Regis Pager's Wirebound Div. planned R	June	6	29	Letterflex System Div. — process will per- mit 35-90 plastic printing plates/hour to				Henkel GmbH — Forms Henkel Chemicals (Nigeria) to produce glues and industrial			
General Electric Co. — AEC authorizes use of previously classified data on uranium				be made directly from a photographic negative by one operator	May	9	34	cleaning agents	Feb	21	39 16
enrichmentN	Jan	17	14	Marco Chemical Div. will add 45 million	resury	9	U-1	Henkel Chemicals (Nigeria) - Formed to			
Gas centrifuge separation of uranium iso- topes studied	Jan	31	39	Ibs/year polyester resin capacity at Jacksonville, Ark.	Mar	28	31	produce glues and industrial cleaning agents	Feb	21	39
Nuclear units sold to France	June	6 16	56 37	Meeting (annual): looking to agricultural chemical expansions	May	16	24	Hercules, Inc. — Advanced Waste Treat- ment units: backbone of growth in pollu-			
Silicone Products Dept. — silicone rubber				Natural gas shortage curtails operation	June	20	13	tion control	Jan	10	35
for making molds for candles Valox thermoplastic polyester material	Jan	24	34	Phosphoric acid buildup Puerto Rico: three new projects con-	Jan	3	33	Army contracts to operate Radford, Va. ammunition plant and to modernize unit			
prices cut	Mar	21	31	sidered	May	16	17	at Lawrence, Kan, plant	May	2	15
a bright picture of '73 chemical prospects				Grand City Container - Stone Container ac-				be heard by Supreme Court	. Feb	28	16
for financial analysts Vitamin E market continues strong	Mar	28 28	22	quires assets and business	May	9	17	DMT sites sought worldwide; U.S. capacity expanded	Mar	14	12
General Motors — Air bags: GM will offer safety system as optional equipment on				shorten contracts under which it buys the entire raw coke output of eight petroleum				Food additives stake boosted with ac- quisition of Polaks Frutal Works, and			
some of '74 luxury cars	Feb	21	19	refinersN	June	27	33	construction of CMC unit at Harbor	Enh	20	10
GM will delay until December its plan to install air bags	June	27	14	Great Lakes Chemical — Dividend de- clared	Mar	14	21	Beach, Mich., plant Foresees another banner year, President	. Feb	26	19
Catalyst exhaust control systems on "most, perhaps all" of '75 model carsN	June	6	55	Kampen, Emerson: Long shot comes home				Brown tells shareholders at annual meeting	Mar	28	22
Catalytic converter that can meet interim				for him Kampen, Emerson will serve as acting	Feb	28	56	H-M Plastics see under name	Tenar	20	64
'75 emission standards for the life of car. Dexron II as a motor oil for RC engines	June	13	11 29	73 outlook from E. Kampen	Jan Feb	10	10	HDPE: U.S. PE-making partnership with Mitsui dissolved	May	23	19
Emission standards: EPA urged to adopt a compromise package	Mar	21	21	Sales and earnings in '72		28	19	Hopewell, Va., plant strike	May	23	20
Powder coating tested		17	36	Swift's Brominex line of flame retardants for flexible urethanes purchased				epichlorohydrin	1 Apr	4	29
General Ore Mining & Dressing Co. — Fertilizer plant in the Pathum Thaki area,				N May 9-33	May	16	24	Correction — letter '73 outlook from W. Brown	. May	14	36 24
Thailand planned	Jan	10	46	Gulf Resources buys remaining 49% from				PP: agreement for first plant in Taiwan N	i Jan	10	10
\$10,000 civil penalty stemming from Trans-				its partner Kali und Salz More details	May	16	24	PP expansions (table) Mar 14-19 PP film capacity at Terre Haute, Ind., ex-		11	15
portation Dept. charge that some of the company's tires failed to meet '66 safety				Grimm, W.T. & Co. — Merger activity during 72	Jan	17	19	PP plant will be built in Bayport, Tex.	May	16	25
standardsF	June	20	16	Activity will accelerate in the CPI this				N Jan 3-7	June	6	29
Annual meeting: first-quarter earnings up Awarded \$3.33 million in patent-infringe-	Apr	4	23	yearN Mergers downN	Feb	21	13	PP structural foam frames for uphoistered furniture		18	15
ment suit against Firestone	Feb Jan	14	27 15	Grow Chemical Corp. — Grow-LEMSIP ad-			-	Stock split, dividend increase planned Terephthalic acid unit at Wilmington,	. Feb	7	12
Radial-tire plant for RumaniaF		5	23	ditive system may combat lead poisoning in children	Jan	24	39	N.C	Mar	14	12
Reverse-osmosis equipment could get market lift from huge plant mapped by				New method of making powder coatings patented		20	31	Hewlett-Packard — Lab computers do it faster	May	9	36
U.S. Geo-Energy Systems, Inc. — Van Huisen	June	13	17	Guardian Chemical — Advocates use of its	COTTE	20	01	Hexcel Corp. — Acquisition of Fine Organics: another step in diversification	9	28	18
heat exchanger may help unlock geo-	Cob		45	Surtenol in low concentrations to prevent staph infections	Jan	31	14	Hitachi Engineering — Nigerian fertilizer			
thermal energy reserves	Feb	7	45	Guardian Industries - Acquisition of Glass				complex	. May	2	23

chi Shipbuilding & Engineering Bids or construction of pulp plant in ChinaR	Feb	7	36	will help shape major corporate de- cisions	War	7	19	drogen peroxide and to expand sodium perborate capacity	Feb	7	3
chst Australia — Profits down in '72 . R	June	20	19	Velnide: Synthetics aim for bigger cut of	Mar	7	35	Interplastic Corp Commercial Resins	Mar	28	3
sh a U.S. sales office next year in joint enture with Roussel-Uclaf	May	9	28	White-collar workers seek recognition of the Assn. of Scientific, Technical and				Pryor, Okia., synthetic resins plant ca- pacity upped		11	1
inishing plant at Djakarta started up				Managerial staffs as their negotiating	Mar	28	21	Inter-Provincial Co-operatives Ltd. — Court	Apr	11	3
May 23-46 R fmann-La Roche — Block Drug buys	June	6	35	Workers asking for a 29% pay boost N I	Mar	28	32	Interprovincial Pipe Line Co. — Feasibility			
fmann-La Roche — Block Drug buys lomilar and Zestabs lines	June	13	21	Workers accept moderate pay in-	June	13	39	study on piping coal-in-oil in Canada N Inwood Knitting Mills — National Distillers retains Bibbs Co. to manage its subsidiary	May	2	3
profits by diversifying into pharma- ceuticals, are expanding at home and				acquired by Tyler Corp. and Kinetics International	Mar	28	23		Feb	14	2
abroad	Apr	11	36	Seeking a buyer for the explosives and aerospace operations it picked up with				Units 1 and 2 get full-term licenses IPAKO — Argentina's PBB complex plant	Jan	3	
prices of Valium and LibriumN Fighting an order to cut prices in		25	30	the acquisition of Atlas Chemical in	Jan	31	23	Iran-Nippon Petrochemical Co Japanese-	Mar	14	
	May	16	28	Mylanta: given two years to prove effect-	Apr	11	19	Iranian joint venture complex near Abadan, Iran	Jan	3	
mes & Narver — Contract for Bunker ill's copper plant	Apr	25	44	iveness ICI Australia — Botany complex strike causes some shortagesN		21	47	Irradiation Industry Co-Op — Japanese process recycles scrap polytetrafluoro-			
neywill-Atlas BP sells its 50% stake R log Kong Industries PVC plant at	Apr	11	20	Sales, '73 first quarter	Mar	14	31	ethylene economically	June	6	
ker Chemical — Chairman M. Messing	Jan	10	46	cellulose plant in Scotland by '75 N	May	30	49	Contract for desalination plantR	May	9 2	
	Jan	17	13	Imperial Tobacco Ltd. — Wood pulp cellu- lose plant in Scotland by '75N Indian Farmers Fertilizer Cooperative —	May	30	49	Engineering for HDPE plant in MexicoR Isocianatos do Brasil S.A. — Du Pont will have 40% share in toluene diisocyanates	rescry	-	
Tacoma, Wash., stopped, because of UC cut in deliveries of calcium carbide				Fertilizer plants planned	Feb	7	36	plant in Camacari, BahiaN	June	6	
due to power shortagesN	May	23	31	Indian Head Co. — EEOC suit charges dis- crimination	May	9	15	Isocyanate Products — General Tire's poly- ether-urethane foam patent still holds	Jan	3	
trogen prices	Jan	10	23	Indian Petrochemical Corp. — Acrylic fiber	Mar	7	20	Iroquois Chemicals — Polyester resins plant at Cornwall, Ont	Mar	28	
veet smell of successston Chemical — Systems approach to	Feb	21	49	Dimethyl terephthalate plant at Gujarat .R Indupa — Argentina's PBB complex plant	May	30	47	Israel Oxidation — Hydrogen peroxide and sodium perborate plant planned R	Apr	18	
to emissions control that will meet '76 andards while using leaded fuels will				industrial Development Corp Nylon	Mar	14	30	Itoh, C. — Acquires stock in Ecoimpianti R Metallurgical coke marketing feasibility	Jan	10	
tested	Mar	14	39	plant planned	Jan	17	44	studyR	Apr	25	
audi Arabia in partnership with Petromin anned	June	27	13	wax Industrias Químicas Altamira — Acrylic	Jan	24	33	J			
ston Oil & Minerals — Meeting (annual) ports on first-quarter '73, capital ex-				fiber capacity boost	Apr	18	29	Jacks, Inc. — Teaming up with Allied to			
enditures	May	23	23		Jan	17	44	finance sales of private and corporate aircraft	Feb	7	
inum	Mar	7	16	Inmont Corp. — Hernwall, John v-p of cor-	May	2	26	Jacobs Engineering — Stockton tells AIChE how a batch niacin process was converted			
process to be used at Whitehall, Mich	May	9	33	porate development: Mountain climber	Feb	7	48	to a continuous, nonpolluting one in the early '50s	June	13	
son River Sloop Restoration Inc. — Will o into court to prevent Cyanamid from				Polyester resin complex at Greenville, O. R Instituto Chemioterapico — ECC fines Com-		21	21	Japan Ammonium Sulphate Industry Assn. — Urea for India	Feb	21	
sposing of acid wastes from its Warners, J. plant	May	2	14	mercial Solvents and its Italian sub- sidiary IC about \$217,000 for "abuse of a				Japan Atomic Energy Research Institute — Joint research project to remove SO ₂ and			
t, Philip A. Chemical — Sales and earn- gs in '72	Jan	17	20	dominant position"N	Jan	3	25	nitrogen oxides from heavy-oil flue gas with	Apr	25	
roscience Co. — Acquired by Dow n Waste Treatment Services — Contract	Jan	10	35		Apr	18	39	Japan Catalytic Chemical — Catalyst know- how and the catalyst for Rohm & Haas'			
aste treatment pay off: fast-growing ser- ce is built on low-cost plant operation	Apr	4	55	Intalco Corp. — BPA power cuts force pro- duction cutbacks	Apr	25	21	acrylate monomer plant	May	9	
undai Construction — Air-separation plant ear Pangojin		7	36	Interlake Steel — Chicago plant to install system for controlling coke-oven emis-				Japan Gasoline Co. — MRG process for U.S. SNG plants Japan Urea & Ammonium Sulphate Export —	May	2	
			-	sions International Business Machines — Main-	Jan	24	38	Urea for India	Feb	21	
1				tenance capabilities of computers System 7 computers monitors and prints	Jan	31	35	plant at Lake City, Pa., from Owens- IllinoisR	Jan	3	
The same of the same				out data from 13 chromatographs in the analytical lab	May	9	36	Jefferson Chemical Ethylene oxide			
Chemicals — Sulfuric acid plant at vonmouth, Bristol	Feb	14	34	International Commodities Export Corp. — Fertilizer contracts for aid to South Viet-				General Tire's polyether-urethane foam	INNER	14	
co-Gateway - Pulling out of chemicals .N		9	10	namN	Jan	31	9	patent still holds	Jan	3	
erial Chemical Industries — Acquires P's 50% stake in Honeywill-AtlasR	Apr	11	20	International Flavors & Fragrances — Fra- grance market	Mar	28	40	botabs: FDA proposes ban	Apr	11	
enzene commodity market plans have been canceledN	Jan	24	19	International Minerals & Chemical — Acquires rights to phosphate reserves in				previously classified data on uranium enrichment	Jan	17	
ellulosic substitute for cigarette tobacco N Feb 7-39N	May	30	49	Fla. N May 23-31	May	30	15	Johannesburg Consolidated Investment —			
ontract to supply liquid carbon dioxide to eight nuclear power stations in the				phate materials Esterhazy, Sask., potash mine and mill	Feb	21	21	Johnson & Johnson — Cyanoacrylate		30	
U.K	Jan Feb	10	23 47	strike ends	Feb	21	21	sealant Disposable diapers plants in III. and N.J.	Mar	7	
thylene joint venture with Norsk Hydro in England possible	Jan	24	31	in a deal that Sobin hopes will provide a "launching pad" for further growth	June	27	13	Johnson, S.C. Co. — Regard: Wood-panel		13	
urope: ICI wants to boost automotive		18	31	Manganese processing plant will be re- opened by ESB		28	19	Jones, Bardelheimer & Co. — Jones, Roger	Apr	18	
uropean companies have increased profits by diversifying into pharma-				Phosphoric acid buildup Sales and earnings in '72	Jan	3	33	Jovan, Inc. — Musk chemicals have the	Jan	24	
ceuticals, are expanding at home and	Anr	- 11	36	Six big customers lined up for phosphate	Jan	17	20	sweet smell of success	Feb	21	
iber expansions in U.K	June	20	20	fertilizer plant to be built near Bartow, Fla	May	2	27	K			
uel additive to prevent fires after jet plane crashes showing promiseN	June	13	43	Thuricide HPC: Aerial application of a biologic insecticide against gypsy moth							
utures for chemicals? — Tholen revives his proposal	Apr	18	13	has been approved		11	28	K & K Laboratories — Carcinogenic chemicals to be dropped	Feb	7	
ntex plant at Larne, Northern Ireland, acquired by Courtaulds	Feb	28	15	ines hopes for new markets for nickel International Ore and Fertilizer Corp. —	Jan	3	13	Kaiser Agricultural Chemicals Div. — Cus- tomer for IMC fertilizer plant	May	2	
lapanese paint makers (2) licensed to produce nonaqueous dispersion auto		4	-	Fertilizer contracts for aid to South Viet- nam	Jan	31	9	Keiser Aluminum & Chemicals — Aluminum conductor products prices	Apr	18	
paints	Mar	21	29 47	International Paper — Base-point pricing under attack	Mar	21	27	Aluminum product prices are firming	Feb	14	
Mitsui agrees to take over ICI's TPX resin .h Paint operations at Slough, Buckingham-	June	27	33	Meeting (annual): first-quarter results Sales and earnings in '72	Apr	18	14	BPA power cuts force production cut- backs	Apr	25	
shire expansion	Apr Feb	18	29 39	Ticonderoga, N.Y., pollution suit will be heard by Supreme Court	Feb	28	16	minum sheet and plate products		10	
Reorganizes its domestic explosives busi- ness into a wholly owned subsidiary.				International Procurement & Service Corp. — Formed	Feb	7	36	Maier at N.Y. security analyst meeting pre- dicts '73 profits will more than double			
Nobel's Explosives Co	l Jan	31	23	International Research Corp. — Institute will close Aug. 1, reason, says Pfeiffer, is that				last year's Meeting (annual): '73 outlook	June	20	
INDICOTT BING THINIOUSE YOR PIBLIE HEYE	d Jan	17	23	European companies have been empha-	Apr	11	28	Reynolds bows out of bauxite mining in Ghana: Kaiser looking for a new part-			
operating difficulties	V Feb	21	31								
operating difficulties	Mar May	14	30	sizing in-house, short-term projects . N International Salt — Solar salt installation on Bonaire Island	Apr	25	19	St Remard Parish I a will issue revenue	Jan	3	
operating difficulties	Mar May		30	International Salt — Solar salt installation on Bonaire Island Interox — Technology for Rumanian hydrogen peroxide plant	Apr		19	ner St. Bernard Parish, La., will issue revenue bonds to help KA&C finance pollu- tion control units Kali und Salz AG — ECC prohibits coopera-	Jan	3 21	

tion agreement with Soc. Commerciale des Potasses et de l'Azote Sari		20	20	system based on chemicals	May	2	26	Lysaght Durham Chemical — Zinc oxide	Apr Mar	25 14	28 31
Great Salt Lake Minerals	May	16 23	24	pharmaceuticals, are expanding at home and abroad	Apr	11	36	plant near Bangkok, Thailand	Jan	17	44
Kanebo — Japan acts against fiber cartel	Jan	3	29	La Maur Permanent wave market up	June	6	71				
Nylon capacity expandingN	Mar	14	33	Laporte-Davison Inc. — FormedR	Jan	24	12	0.0			
Kanegafuchi Chemical Industry — Synthetic	Jan	31	22	SNG catalysts will be offeredN Laporte Industries Ltd. — Forms a U.S. sub-	Feb	21	41	IVI			
protein plant at Takasago		7	20	sidiary, Laporte-Davison IncR	Jan	24	12				
Kansai Paint - License from ICI to produce				Laporte-Davison, Inc. see under name				M&T Chemicals — American Can turning to ultraviolet-cured inks	Mar	14	39
auto paints	Apr	4	29	Lea-Ronal — Cyanide-free electroplating process, developed by Monsanto, will				Madera Corp Israel asks Allied to com-	INICAL	1.4	33
ket marine paints	May	30	48	be marketedN	Jan	10	41	pensate the state for what it calls "heavy			
Kao Soap — Kao Industrial Research Lab. —	,			Leeds & Northrup — Controls for Army's				losses" sustained at the Arad chemical complex in the Negev desert	Mar	28	23
maleic-based process for making tetra-			00	arsenal metal plating wastes treatment unit	May	2	35	Magnalith Corp. — Hot-chamber magnesium	PANCEL	20	23
hydrofuran	Apr	18	39	Lenox Candle - Candle industry	Jan	24	33	casting machine	Jan	17	24
plant's capacity to make catalysts based				Leon Products — Deodorants and antiper-				Makhteshim Chemical — Plant near Beer-			
on nickel and zinc oxide	Jan	10	17	spirants: FTC orders manufacturers to document ad claims	June	6	26	sheba, Israel, to produce pesticides, inter- mediates and pharmaceutical raw ma-			
Kawasaki Heavy Industries Agrees to license Monsanto's Enviro-Chem waste				Lepetit Antibiotics plant at Anagni, Italy .F		10	46	terials planned	Mar	21	50
disposal and recovery system R Kawecki Berylco Industries — Hazelton,	May	2	23	Sales and earnings in '72F	May	9	28	Mallinckrodt Chemical Works — Acquisition	1-0	17	18
Kawecki Berylco Industries — Hazelton,				Leuna Works — LDPE plant in East Ger- many	Mar	7	20	of Bowers Printing Ink	Jan Feb	21	21
Pa., beryllium refining plant strike: Health is an issue	May	23	18	Lever Bros Carboxy methylene oxysuc-	POTCET	,	20	Manhattan Adhesives — Fuller, H.B. to pur-			
Kellogg, M.W. Co. — Bidding for ammonia	ividy	20	10	cinate may replace phosphate	Mar	21	28	chase selected assets	June	20	16
plant to be built for Techmashimport N	May	23	43	Detergent marketers bracing for a major promotional battle in N.Y. as the state-				Marathon Oil — Hydrofluoric acid alkylation unit at Texas City, Tex., refineryR	Mar	7	16
Contractor for Shell's petrochemical plant	Apr	4	17	wide ban on phosphate detergents takes				Marcal Paper — Paper mill and tissue-	TTTG		10
Kellogg Continental see under name		-	**	effect	June	6	36	converting operations in Orange, Calif.,	To a	40	40
Kellogg Continental BV formedR	Jan	10	46	Maleic-based detergent patented Levy, W.J. Consultants Corp. — Kilgore,	Apr	11	23	acquired by Potlatch Forests	Jan	10	18
Kellogg-Lopker process proves phos- phoric acid manufacturing costs can				Richard at AIChE meeting points out that				suit against Arvin Industries seeks triple			
be cut	Jan	3	33	the U.S. has long-term alternatives for				damages	Jan	31	15
Naphtha cracker in Korea	Jan	10	46	the hydrocarbons it will import to meet both energy and feedstock needs	Mar	21	45	and pesticides charged	Jan	17	19
Kellogg Continental BV — FormedR Urea projects for ChinaN	Jan	10	46	Libbey-Owens-Ford — Justice Dept. mod-	Mai	21	45	Maries-Kuhlmann-Wyandotte - Belgium	Jan	11	19
Kellogg International — Design and tech-	Feb	21	13	ifications of a 25-year-old consent decree.				propylene oxide and polyethers plant ex-			
nical supervision for Spanish ammonia				will ease antitrust restrictions	Jan	17	17	pansion R Merger with Dekachimie R		2	23
Petrobras Quirnica's contract for ammonia	Jan	10	46	Liljeholmens Stearinfabrik — Sales and earn- ings rise in '72	Mar	21	49	Merger with Dekachimie	Jan	3	29
plant and urea unit	May	23	46	Lilly, Ell & Co. — DES as a "morning-after"			40	at BASF's Antwerp, Belgium, complex .R	Jan	3	29
KemaNord — Petrochemical output at	7			birth-control pill okayed by FDA	Feb	28	18	Martin Marietta Aluminum — BPA power cuts	A	ar	04
Stenungsund complex increasedR	Mar	7	20	Evaporator system for waste treatment Linde AG — Acquires 50% interest in	May	9	31	force production cutbacks Martin Marietta Corp. — FMC purchases the	Apr	25	21
PVC complex at Stenungsund expansion .R	May	21	23 49	Industriegas	Jan	17	44	Marox processN	Feb	14	68
PVC plant in Denmark Sales and earnings rise in '72	Mar	21	49	Ethylene and propylene plant for Rhein-				Marox process			
Kemira — Finland's biggest chemical maker				ische Olefinwerke	R Feb	14	34	smelter studied N Mar 14-12R Marubeni-tida HDPE plant in Korea	Mar Jan	21	50 45
did well in '72	Apr	25	28	boom	June	13	25	Masson, Paul Co. — Liquor ingredients label-	Jan	10	40
Milliken pushing copper development				Liquid Carbonic Co. — Gas sales spark a				ing rule could mean switch in additives	May	16	31
despite pollution woes	May	9	15	building boom	. June	13	25	Mattel, Inc. — Sew Magic sewing machine			
Payment of \$66.9 million from OPIC in				Liquid carbon dioxide plant at Freetown, Mass., planned	May	9	17	dispenses proprietary adhesive, harden- ing agent, eliminating needle and thread			
settlement of insurance covering KC's investment in El Teniente copper mine .R	Jan	3	16	Liquifin AG - Liquigas bids for control of	· may			for garment assembly	June	20	24
Kensico Industries - Robintech's copper			1	Ronson Corp. delayed as N.J. Court issues				Max Factor — Musk chemicals have the sweet smell of success	Feb	21	49
tubing operations to be boughtR	May	2	15	restraining order against a tender offer by Liquifin	June	13	21	McCulloch Oil — Canadian subsidiary starts	Len	21	49
Kerr-McGee Chemical — Expansion projects	Feh	21	21	Liquigas — Bids for control of Ronson Corp.	. 00110			delivery of natural gas	May	23	24
I transum dioxide expansion	Apr	4	39	delayed as N.J. Court issues restraining				McKee, Arthur G. & Co. — Vertical kiln proc- ess may end oil-from-shale bottleneck	Ans	10	22
Kewanee Oil — Acquisition of All Phase		25	21	order against a tender offer by Liquifin AG	June	13	21	McLaughlin Gormley King — Synthetic py-	Apr	18	33
Color	Apr Feb	7	17	Little, Arthur D. & Co. — Hegeman, G. pre-		-		rethrum, S-bioallethrin insecticide intro-			
Kinetics International - Acquisition of ICI				dicts methanol ventures in the Mideast and North Africa will provide the impetus for				duced at CSMA meeting	May	23	42
America's Atlas explosives div	Mar	28	23	large-scale petrochemical developments				son, Ala	June	6	29
to the Paper and Pulp Industry"	Apr	25	17	in those areas	. Mar	14	37	Mediada - British Oxygen acquires 50%			
Think small to make it big in specialty				Report concludes salting of snow and ice on highways should continues, but the				interest	May	2	23
chemicals. Charles H. Kline (chart & tables)	Jan	17	27	practice has to be limited	N Feb	14	68	British Oxygen	May	2	23
Kobe Steel — Venezuelan aluminum smelter	oan		2.1	Test-room method to set odor threshold	. Mar	14	35	Meditorius, inc. — Nuclear pacernaker	Apr	18	15
studied N Mar 14-12R	Mar	21	50	Will study how you get into the solar climate control business	May	16	48	Mem — Deodorants and antiperspirants: FTC orders manufacturers to document ad			
Kolar Laboratories — Nonparaffin trans- parent candle based on polyamide resin	Jan	24	33	Lomita Gasoline Co Acquired by Petro-				claims	June	6	26
Koppers Co. — Annual report includes	-		-	lane Inc. Lone Star Exploration Ltd. — Will undertake	R Jan	17	18	Merck & Co. — Fine chemicals and pharma-	100		
operating results	Mar	21	22	a feasibility study for petrochemical com-				ceuticals complex at Tipperary, Ireland .N Metallurgie Hoboken-Overpelt — To co-	Jan	17	25
Meeting (annual): first-quarter earnings up	Apr	4	23	plex at Broken Hill	V June	13	39	operate with UCB in R&D	May	2	23
National Steel's Weirton, W.Va., new coke				Lonza — License to manufacture and sell Barex 210 resin from Standard Oil (Ohio) .	2 600	4	20	Michelin — Anderson and Greenville, S.C.,			
plant blast spotlights coke problems	Jan	3	15	PVC joint venture in Denmark	Apr Mar	21	29 49	tire production units planned	Feb	21	21
OSHA issues 11 citations for job safety violations N	Mar	28	17	Lorilleux Lefranc Pechiney Ugine acquires				charges of trying to sell Firestone a			
violations	Jan	17	20	30% interest	Apr	4	29	Michelin secret formula for bonding	Ert	00	40
Korea Integrated Chemicals Yosu com-				requires Georgia-Pacific to transfer to				radial tires International union leaders are mapping	Feb	28	19
Korea Oil — Naphtha cracker at Ulsan	June	27	39	L-PC about 20% of its assets	N Jan	3	7	strategy against rubber giantsN	Apr	4	41
Jan 10-45	June	27	39	Love Cosmetics — Musk chemicals have the		04	40	Radial tires made in Canada; US Treasury	-		
Korea Pacific Chemical — LDPE and VCM	6	07	200	sweet smell of success Lucidol — Methyl ethyl ketone peroxide	Feb	21	49	imposes countervailing duties Michigan Chemical — Northwest Industries	Jan	17	17
production at Ulsan will be doubled Korea Petrochemical — HDPE plant in	June	27	39	prices	N May	9	35	makes a cash tender for the remaining out-			
Ulsan	Jan	10	45	Lummus Co Acetic acid plant built at		**	04	standing shares of MCN		24	9
Korea Polyester — Terephthalic acid joint		0.3		Hall, Yorkshire, uses BP process Arosat process for producing jet fuel and		14	31	Miles Laboratories — Protein products N Minerec — Flotation reagent plant at Balti-	May	9	26
Kroger — Burger-Pro, 25% textured vege-	June	27	39	low-aromatic solvents	N May	16	48	more, Md., capacity additionR	Jan	17	18
table protein and 75% ground beef N	May	9	26	Canadian heavy water plant will be fully			200	3M Co. — Home-sewing market: notions line,			
Kronos-Titan - Technology for Polish ti-				Operational later this year		18	39	including pattern adhesive, needle con- ditioner, fasteners	May	16	32
tanium dioxide plant	May	30	48	process	N Jan	17	25	Velsicol and 3M will jointly test and market	may	10	SE
Polish titanium dioxide plantF		30	48	Contract for Allied's soda ash operation				3M's patented Sustar 2-S	3 June	27	15
Kuraray — Japan acts against fiber cartel .	Jan	3	29	at Green River, Wyo., expansion Contract from Abadan Petrochemical fo		7	17	Mission Kleensweep Products — Mislabeling disinfectants and pesticides charged	lan	17	10
Vinyl acetate and PV alcohol plant to be sold to China	Apr	4	41	PVC expansion	R Feb	21	39	Mississippi Chemical — Fertilizer expansions	. Jan	17	19
Kurita — Acquires stock in EcoimplantiF	Jan	10	46	Engineering and design for AMAX's meta				at Yazoo City and Pascagoula, Miss.,			
Kuwait Chemical Fertilizer - BP sells its				refinery at Port Nickel, La	N Jan	17	35	Plants Yazoo City tertilizer complex will get two	. June	27	13
20% interest	Apr	11	20	Searle & Co. and Ajinomoto		23	39	new major air pollution control systems. A		17	36
mercial production of DAMN	Jan	3	29	SNG plants	. May	2	33	Mitchell, George & Associates — FPC okays			-
_				TPA: new approach to TPA based or ammonolysis		21	41	natural gas price hike, but requires Mitchell			
The second second second second second				How new process for making TPA re		21	41	to spend the increased revenue to explore and develop more gas	. Mar	7	14
Laboratoire d'Electronique et d'Automatique				duces capital, operating costs Lummus Nederland — Contract from Keme	. Apr	11	27	Mitchum-Thayer - Deodorants and anti-			
Laboratoire d'Electronique et d'Automatique Dauphinois Military mine detection				Lummus Nederland — Contract from Keme	D 14-	2	23	perspirants: FTC orders manufacturers to	la constitución de la constituci		0.0
				Nord for PVC expansion at Stenungsund	o may	4	23	document ad claims	. June	6	26

Mitsubishi Chemical Industries - Acrylic				LDPE plant at Texas City, Tex., refuses to				National Gypsum — Stock purchasesR	June	20	16
fiber joint venture with Cia.Uniao Fabril awaits government approvalR	Feb	7	36	die	Feb May	21	13	National Helium Interior Dept. trying again to cancel government helium supply con-			
Plant to be built near Lisbon, R	May	30	47	Missouri court rules Monsanto has been	,		-	tracts	Feb	14	28
	Feb	7	36	engaging illegally in the insurance busi- ness by offering a company-paid medi-				National Petrochemical Co. — Japanese- Iranian joint venture complex near Abadan,			
Iranian joint venture complex near Abadan, Iran	Jan	3	25	cal and disability benefits plan to em- ployees	Feb	28	13	Iran	Jan	3	25
Sales and earnings in 72	Mar	21	50	Nylon prices	June	13	23	Ammonia-methanol project. 50-50 joint			
South Australia site for a petrochemical complex considered	Apr	11	25	Overseas sales and capital spending Polystyrene prices	Mar Feb	28 28	29	venture with Grace National Starch & Chemical — Acquires	May	9	13
TPA process to be installed in plant at Kurosaki, Kyushu Island	Mar	21	41	PVC units at Springfield, Mass., to be shut down N	Apr	11	13	majority interest in Food Products, Ltd R National Steel Corp. — Alunite joint-venture	Mar	14	21
Mitsubishi Gas Chemical — U.SJapanese	141001			Researcher Unland reports infrared				agreement	Jan	31	15
methanol venture being planned for Alaska	June	20	20	spectra studies detect isocyanates on the surface of noble metal catalysts . N	Feb	14	68	Project will get pilot test	June	13	43
Mitsubishi Group - Saudi Arabian petro-			25	Rubber chemicals plant at Zarate, Argen-	Apr	4	29	W.Va., blast spotlights coke problems	Jan	3	15
chemical complex studied		11		tina	May	2	12	OSHA issues 11 citations for job safety violations	Mar	28	17
for China	Feb	14	31	Spainst operations expansion	Mar	21	49 37	Natural Gas Pipeline Co. — Acquires rights to coal that is "ideally suited for gasifica-			
Jentra, Ltd. see under name Joint venture to operate Ranchers' Blue-				Monsanto Enviro-Chem Systems — Contract by Texas Gulf for design and engineering				tion"N	Feb	7	39
bird copper mine in Miami, ArizR	Feb	14	27	of a sulfuric acid plant at Lee Creek, N.C. R	Jan	3	16	Bay water will be used to soak up the cold value of LNG	Jan	31	39
Mitsubishi Petrochemical — Ethylene plant for China	Feb	14	31	Landgard process will get a commercial test in Baltimore	Feb	7	39	Signs a letter of intent with Newport News Shipbuilding for the construction and			
Higher-aiconois plant	May	2	23	Monsanto Polymers & Petrochemicals —				purchase of two tankersR	Jan	10	18
LDPE plant for Peking	May	2	24	Amino coating resins expansion at Spring- field, Mass., plant	Mar	28	23	Nelson Chemicals — Contract waste treat- ment pay off; fast-growing service is built			
venture with an American partner N Sales and earnings in '72 R	Feb Feb	21	37 39	Monsanto Research Corp. — Contract to develop fabrication technology for hollow-				on low-cost plant operation	Apr	4	55
Thailand's Siracha petrochemical complex:				fiber assemblies for reverse-osmosis de-			42	Neste Oy — Arosat process for producing jet fuel and low-aromatic solvents developed			
End of an impasse Mitsubishi Rayon — Biodegradable surfact-	Mar	14	30	salting Monsanto Textiles — Fiber slowdown ahead?	June	13	17	at Naantali, Finland, refinery	May	16 25	48 28
ants will be produced and sold in Japan . N Ethoxylate plant and linear alcohol unit	Jan	24	19	MT's economic forecast PNW nylon Type XOS tailored for wet-taid	Feb	7	16	Putting increased emphasis on petro-			
using UC technology plannedR		28	34	nonwovens and specialty papers N	May	2	32	Nestle Co., Inc. — Coffee manufacturing	Apr	25	28
Japan acts against fiber cartel	Jan	3	29	Polyester tire yarn plant at Decatur, Ala., will convert to production of nylon car-				plant at Freehold, N.J., uses evaporator system for waste treatment	May	9	31
to be built for Techmashimport N Forms International Procurement & Service	May	23	43		Mar	21	24	New Jersey Zinc — Sulfuric acid recovery			
Corp	Feb	7	36	ricacion de Anilinas y Productos				pilot plant for its titanium dioxide wastes Titanium dioxide expansion	June	27	45 39
Mitsul Group — Electrolytic manganese di- oxide plant in Ireland	Apr	4	41	Quimicos	June	13	35 39	Newfoundland Refining Ltd. — Oil refinery	May	2	7
Mitsui Petrochemical Industries - Agree-				Bidding for ammonia plant to be built for				at Come-By-Chance delayedN Newmont Mining — Merger proposal to Foote			
ment with ICI to take over ICI's TPX resin .N H-M Plastics see under name	June	27	33	Techmashimport	May	23	43	Mineral Proposed merger canceledR	Mar	16	15 25
HDPE: Hercules, Mitsui dissolve U.S. PE- making partnership	May	23	19	titanium dioxide production wastes from Scarlino plant	Feb	28	43	Newport News Shipbuilding — Natural Gas	ividy		
Hydroquinone plant R Thailand's Siracha petrochemical complex:	June	20	19	European companies have increased				Pipeline signs a letter of intent for the con- struction and purchase of two tankers . R	Jan	10	18
End of an impasse	Mar	14	30	profits by diversifying into pharma- ceuticals, are expanding at home and				Nihon Rilsan — Nylon-12 monomer laurylac-		2	23
Mitsui Senboku Petrochemicals — Phenol and acetone plant near Osaka	Jan	31	19	abroad Glass fibers at Vado Ligure plant, under a	Apr	11	36	Nippon Paint — License from ICI to produce			
Mitsui Toatsu Chemical - Fertilizer plant				license from Johns-ManvilleR	Mar	28	34	auto paints	Apr	4	29
sold to China	Apr	25	27	Kansai's marine paint to be produced and marketed	May	30	48	petrochemical complex: End of an im-			
start upN	Jan	31	19	Loan to finance research program in anti- parasitic pesticides	May	2	23	Nippon Zeon — Joint venture to produce	Mar	14	30
Thailand's Siracha petrochemical complex: End of an impasse	Mar	14	30	Perchloroethylene plant at Porto Marghera.				epichlorohydrin in Japan .FI Correction — letter	Apr May	4 2	29 36
Miwon Industrial — Styrene monomer unit in Korea	Jan	10	45	Italy at full capacity	Apr Feb	14	29 68	Nissho-lwai Iranian joint venture complex			
Mobay - Industrial Chemicals Div.: Devalu-			40	Private and government owners will share control of the company		18	31	near Abadan, Iran Paint joint venture plant in SingaporeF		17	25 44
ation may push company into making in- dustrial chemicals in the U.S	Mar	7	9	Sales: Grandi says Montedison may be	Apr	10	31	Nitrogen Eireann Teoranta — Nitric acid plant at Arklow	R May	9	28
Mo och Domsjo — Swedish government ac- quires MoDo Kemi	May	23	45	able to show a profit this year; first- quarter figures	May	9	29	Nitroven - Ammonia-urea plant at El Tablazo			
Mobil Chemical - Beaumont, Tex., ethylene				Styrene plant at Mantua, ItalyR		10	46	opened Nitto Boseki — Japan acts against fiber	. Jan	17	43
plant boosting capacity Donovan, R.G. at AIChE meeting foresees	. Apr	25	15	Sulfunc acid pelletizing plant at Folio- nica expansion	Mar	14	31	cartel Nitto Chemical Industry — Ethoxylate plant	. Jan	3	29
bright future for the petrochemical in- dustry	Mar	21	45	USSR plans: Montedison would sell chem- ical plants and technology, take payment				and linear alcohol unit using UC tech-			
Fertilizer operations and polybutylene busi-	, rendi		45	in basic chemicals and intermediates N Montedison Hispania ExpansionR	Mar June	7	33 35	Nobel's Explosives Co. Ltd. — ICI or-	R Mar	28	34
ness sold; plans to stop making TPA, but will remain active in chemicals	. Apr	11	20	Moore & McCormack - Diamond Sham-	oune		00	ganizes its domestic explosives business into a wholly owned subsidiary	N Jan	31	23
Terephthalic acid plant at Beaumont, Tex., sold to Velsicol N Apr 4-37	. Apr	11	20	rock's decision to sell Pickands Mather was not financially motivated says chair-				Norda Essential Oils & Chemical Fra-			40
Mobil Oil — Chinese talks discuss exploita- tion of possible oil reserves in the outer				man Hughes	Jan Apr	18	7 15	Nordengren Patenter A.B. — Travelling-belt	Mar	28	40
continental shell under the China Sea	. May		14	Morhanges Cie France indicts officers	right		10	filter will get its first test in Olin's Pasadena, Tex., phosphoric acid plant		4	47
Octane down, output up OCAW strikes at Torrance, Calif., and Fern-	. May	30	11	of two companies charged with man- slaughter in connection with the accidental				Norsk Hydro - Ethylene joint venture with ICI			
dale. Wash, ended walkout at Resu-				deaths of 41 babies treated last year with				in England possible Process mixes stack gases with sea water		24	31
mont, Tex., refinery continues Model, Roland & Co. — U.S. petrochemical	Jan	24	15	talcum powder containing large amounts of hexachlorophene	Jan	3	12	to produce a sulfate that can be dis- posed of in the sea	Apr	18	35
industry survey sees healthy growth in the	V June	B 13	13	Multi Minerals Ltd. — Phosphoric acid build- up	Jan	3	33	Norsk Viftefabrik A.S. — Process mixes stack		10	35
MoDo Kemi — Acquired by Swedish govern- ment from Mo och Domsjo		- 00	45	Murphy Body Works General Tire's poly- ether-urethane foam patent still holds	lan	2	15	gases with sea water to produce a sulfate that can be disposed of in the sea	. Apr	18	35
Molybdenum Corp Chemical uses: best	May	23	45	one of the four parent son hous	9611	3	10	North American Rockwell Microelectronics Co. — Liquid crystals in mini-calculators		7	28
bet in molybdenum's future Monsanto & Co. — Acrylic fiber plant at	. Jan	3	18	N				Northeast Utilities - Nuclear generating		- 1	-
Lingen, Germany	R Feb	21	39	NL Industries Antimony oxide prices	d Eah	21	25	plant at Millstone Point site in Waterford. Conn.: OK asked	R Feb	28	19
Annual report includes operating results . Australia: company may join Broken Hill	. Mar	21	22	Magnesium: purchase of 10,000 tons from				Northern Natural Gas Studying projected	1		
Pty. in building styrene monomer plant in Victoria	N Juni	e 6	33	Stockpile	V June	6	21	for four coal gasification plants and a 700-mile pipeline Northern Petrochemical — Sampson, Herber	N Mar	28	25
Borden licensing agreement for some PVC				pliers; producers raise prices, add new		4	39	Northern Petrochemical — Sampson, Herbert chairman and president: Farmer out to			
technology	N Apr	11	13	capacity as sales pick up Sayreville, N.J. titanium pigments plant	. Apr			make profits grow Northrop Hueneme — Glass-fiber barges for	Apr	18	48
La. onstream Expandable polystyrene bead plant at	R Juni	e 6	29	granted EPA 90-day discharge permit . NSU Powder-metal titanium carbide seal .	. May June	13	14 29	Pacific Far East Line	R Mar	7	16
Springfield, Mass	R Mar	14	21	Nalco Chemical Catalysts: Nalco drops			-	Northwest Industries — General Battery stockholders will be offered \$34/share	N Mar	21	17
GAP crystals Hanley gives rosy report on second-	Feb	7	28	refining catalyst, affiliate boosts output of	. Jan	10	17	Heineman, Ben predicts bright picture	9		
quarter income at N.Y. Soc. of Security				Stocks: company purchases own shares I National Can Co. — Coffee producer is run-	N Feb	14		for '73 Makes a cash tender for the remaining out	. Feb	21	18
Analysts Hanley, John, new president receiving			12	ning an in-house evaluation on a plastic				standing shares of Michigan Chemical	.N Jan	24	9
minimum \$400,000/year Kawasaki Heavy Industries to ligense	R Mar	21	24	National Distillers & Chemical - Retains	N Apr	25	30	Northwest Pipeline — APCO group will own 20%	.N Mar	14	23
Enviro-Chem waste disposal and re- covery system			00	Bibbs Co. to manage its subsidiary In- wood Knitting Mills	Feb	14	27	Norton-Norwich Products — Nor-Am Div. — Lanex, broad-spectrum cotton herbicide	9.		
Lea-Ronal will market a new cyanide-free			23	U.S. Industrial Chemicals — Texas cur-				price boost is under fire Norwich Pharmacal — Triactin: FDA pro	.N Apr	11	14
electroplating process	N Jan	10	41	tails gas supplies	. Jan	3	14	The pro			

poses ban Noury Chemical — Peroxide pricesN	Apr May	11	19 25	Chlor-alkali prices N Chlorinated solvents prices N	June June	13 13	23 23	for ammonia plant and urea unit A Petrocel, S.A. — TPA-DMT plant near	May	23	46
Novament — PP expansion at Huntington, W.Va., slow coming onstream (table)	Mar	14	19	Chloroformate plant at Barberton, O., planned	Apr	18	15	Tampico, based on Hercules technology . Petrochemical Energy Group — Feedstocks	Apr	11	27
- letter Nuclear Fuel Services - Suspends nuclear	1qA	25	5	Columbia Cement Div. acquired by Filtrol R Feb 14-27	June	27	11	and fuel: petrochemical makers' big prob- lem areas	Jan	31	13
fuel reprocessing at West Valley, N.Y Nuclear Power Products Co. — New com-	Mar	21	21	Corco-PPG's Penuelas project: suit over oil costs	Jan	31	14	Petrochemical Investment Corp. — Richard- son buys polystyrene plant near Houston .R		14	21
pany will make steam generator equipment for HTGR nuclear power plant systems N	Jan	17	35	Anatomy of a lawsuit Penuelas plant will be back in produc-	Feb	7	15	Petrodow — Chilean government is moving to legalize its Oct. '72 takeover of Petro-	Terrest		
Nusantour Duta Development — PVC plant at Cilingcing, Indonesia, plannedR	Jan	10	46	ford City, Pa., glass fabrication plant	May	23	24	dow; polystyrene plant in Santiago, is			
Nyanza, Inc. — Dye producers receive subpoenas in a Justice Dept. investigation	Our	10	40	expansionR	May	16	25	"definitely moving toward a complete sell- out"	Feb	28	15
of industry pricing practices	Feb	21	18	Glass fiber insulation assets to be sold to Certain-Teed Products	Mar	28	23	Chilean government's controller rules that the Ministry of Economy's takeover of			
				Glass-fiber products joint venture, Asahi- PPG, Ltd	Apr	18	15	Dow operations at Concepcion last Oct. was illegal	Jan	10	45
0				Houston Chemical will test systems ap- proach to auto emissions control that will				Petrolane Inc. — Acquisition of Lomita Gasoline Co	Jan	17	18
OEMV Plans to spend \$4 million to double	F-16		24	meet '76 standards while using leaded fuels	Mar	14	39	LPG terminal in Los Angeles harbor area .R Petroleos Mexicanos — HDPE technology	Feb	7	17
Occidental Petroleum - Fertilizer deal with	Feb		34	Intumescent paints Justice Dept. modifications of a 25-year-	May	23	41	will be licensed from Asahi	May	2	23
Russians signed	Apr	18	9	old consent decree, will ease antitrust				Mexico touts a petrochemical Garden of Eden (map)	Mar	28	33
Metal finishing equipment to the USSR in	May	y 23	24	restrictions Meeting (annual): plans for paint and	Jan	17	17	Petromin — Methanol plant in Saudi Arabia in partnership with Houston Natural Gas			
return for Soviet nickel	Jan		16 33	glass-fiber plants expansions Phosphate rock holdings are up for sale .N	Apr	25 30	18	planned Petroquimica Bahia Blanca — Ethylene	June	27	13
USSR deal that could bring 1 billion cu.ft/ day of natural gas to the U.S.	Mar			Puerto Rican chlorine-caustic soda plant picketed following the plant's second	-			project lines up five customers	Mar	14	30
Ogilvie - Home permanent wave market	Jun			chlorine leak Puerto Rico problems include PRO shut-	Jan	10	16	in Brazilian toluene diisocyanates plant . N Petroquimica Uniao — Brazil achieves setf-	June	6	33
Oil Refining Services International — Oil re- finery at Hunterston, Scotland, application				down and substation fireN Sales and earnings: '72 preliminary report .	May	2	7	sufficiency in aromatics and some plastics.			
revised	Mar	28	34	'73 forecast	Mar	14	16	but locally made products are more expen- sive than imports (table)	Mar	14	29
near Kin, Okinawa postponed indefinitely .R Olin Corp. — Calcium hypochlorite joint plant	May	y 23	46	Shelby, N.C., glass-fiber tire cord plant expansion	June	27	15	Petroquisa — Du Pont's partner in Brazilian toluene diisocyanates plant	June	6	33
at Chloorkop, Transvaal	Jan	24	32	Sodium bichromate prices		28	27	Petro-Tex Corp. — Butadiene prices N Maleic anhydride project studied N	May	14	28
research is directed to bottom line Fine Paper & Film Group complex at	Ma	у 30	52	Witchita Falls, Tex., site for float-glass plant Mar 14-16		30	15	Pfizer — Citrate market push on dishwasher detergentsN	Mar	28	27
Pisgah Forest, N.C., pollution program .R			16	Pace Co. — Dosher, John spotlights four key trends in energy crisis at CMRA meeting	Feb	14	55	Littlejohn, Edward describes the major	IVIGI	20	6.7
Meeting (annual) Outlook: buildup in urethane foamed-	Ma	у 9	15	Pacific Far East Line — Glass-fiber barges				problems facing the drug industry at DCAT	Jan	24	13
plastic raw materials and end-products is '73 big step	Jun	ne 13	18	will be built by Northrup-HuenemeR Pacific Gas & Electric — Nuclear power	Mar	7	16	Meeting (annual): Sales in the first quarter; outlook for citric acid	Apr	25	18
Pasadena, Tex., phosphoric acid plant will test travelling-belt filterN			47	complex on the northern Calif. coast will be shelved for the time being	Jan	31	16	Nonphosphate formulation for machine dishwashing detergents (MDD)N	Mar	28	27
Saltville plant, mineral rights and \$600,000 will be given to the town	Jan			Pacific Lighting — Coal gasification plant on a Navajo reservation near Farmington,				Phelps Dodge — Sales and earnings, '72 estimated	Jan	10	18
Stock offeringR				N.M., planned Pacific Metals — UOP will sell its 40% inter-	Feb	14	66	Philadelphia Quartz — Staley, Paul president: Architect-lawyer finds he's best at manage-			
Olinkraft — Particleboard manufacturing plant in Monroeville, Ala., plannedR	Jur	ne 20	16	est in Rio Tuba Nickel MiningF	Mar	7	16	ment	June	27	48
Omi Kenshi Spinning — Japan acts against fiber cartel	Jan	1 3	29	Pacific Northwest Pipeline — El Paso Natural Gas divestiture upheld by Supreme Court .N	Mar	14	23	Philblack, Ltd. — Ashland Oil's acquisition offer rejected	Apr	25	21
Gronzio de Nora — Process for BP Chemicals' chlorine plant	l Jar	1 3	29	Will be reorganized as a new company N Packaging Corp. of America — Plant expan-	Mar	14	23	Will recommend that shareholders accept joint bid by subsidiaries Cities Service			
Osaka Gas Co. — "The world's largest" methane tanker, Gadinia, delivers first full				sion program F Papilio Cosmetics — Teijin to acquire a 1/3	Mar	7	16	and Phillips Petroleum Philips Industries — Dow pegotiating for an	May	16	22
cargo of LNG at Osaka terminal Oskar Frech Werkzeugbau — Hot-chamber	Jar	n 24	15	interest	Jan	10	48	interest in Duphar pharmaceutical divi- sion	Jan	10	46
magnesium casting machine	Jar	n 17	24	recovering various hydrocarbons from oil		-	40	European companies have increased	Juli	10	40
Osmonics Inc. — Reverse-osmosis system for Army's Rock Island, III., arsenal	Ma	y 2	35	shale will be studied	Mar	7	43	profits by diversifying into pharma- ceuticals, are expanding at home and			00
Overseas Private Investment Corp. — Ex- tends its programs to cover projects in				calcining limestone, can be success- fully adopted to process shaleN	Apr	11	28	abroad Phillips Electronics Instruments — Baggage	Apr	11	36
Rumania	R Ma	ay S	28	Vertical kiln process may end oil-from- shale bottleneck	Apr	18	33	inspection systems use fluoroscopic screens	May	2	25
settlement of insurance covering invest- ment in El Teniente copper mineF		n s	3 16	Parson, Ralph M. Co. — Contract with Agrico Chemical for sulfuric acid complex at				- letter Phillips Fiber - Fiber prices	June	20 25	5
Pre-investment service for financing mar- ket and feasibility studies for small				Donaldsonville, La	Mar	7	16	Phillips Petroleum — ANIC's butadiene rubber plant uses Phillips' technology Pi	Jan	10	46
ventures R Owens-Coming Fiberglas — Computerized	R Ma	ar 28	34	Oil properties	l Jan	10	18	Fertilizer '72-'73 consumptionN Interior Dept. trying again to cancel gov-	Jan	17	23
resin making at Anderson plant will be copied at Valparaiso, Ind.	Ma	ır 28	31	Patronor — Gulf's interests not involved in sale to UEE-Rio Tinto	Jan	17	44	ernment helium supply contracts LPG pipeline near Austin, Tex., refinery:	Feb	14	28
Polyester resin unit due onstream at Val-				Pechiney-St. Gobain — PVC joint venture in Denmark	Mar	2	49	leak explodes '72 some gains, some losses; W. Douce	Mar	7	15
paraiso, Ind	i Ma			Pechiney Ugine Kuhlmann — Acquires 30% interest in Lorilleux Lefranc	R Apr	4	29	at N.Y. security analysts meeting	Feb	28	19
lbs. in '78 Owens-Illinois — Corrugated shipping box	Fel	b 21	27	European companies have increased profits by diversifying into pharma-				Philblack will recommend that share- holders accept joint bid	May	16	22
plant at Mt. Olive, III. being built F Dividends raised				ceuticals, are expanding at home and	. Apr	11	36	Polypropylene patent case: Montedison is the winner	l Feb	14	68
	V Ap			Expansion plans Joint uranium exploration in Australia	V Jan	24	31	Process for Indonesian PP plant	June	20	19
will be bought by Jeannette Corp F Oxirane — Propylene oxide plant at Bayport,	R Ja	n :	3 16	Marles Kuhlmann Wyandotte see under	4 IAIGI	14	01	Group — 20-year contract for sale of North Sea gas	Jan	31	15
Tex	Ma Ma	ar 7	9	Sales in '72	R Feb	21	39	Natural gas pipeline feeds may used in	0001		, ,
Oxochem — Oxo alcohols' Puerto Rican plant expansion	. Ma			Sales & earnings in '72	Apr May	30	47		June	6	33
Ozark Lead — Sweetwater, Mo., mine strike Strike ends				Spain: multicompany international venture formed to build alumina and aluminum				Phosphate Cooperative — Portland plant plans superphosphate expansionF	R May	30	48
				complex Pekerna — Finnish chemical buildup	. May	9 25	28 28	Pickands Mather — Diamond Shamrock's decision to sell was not financially moti-			
P				Penney, J.C. Inc. — Candlemaking kits	Jan	24	33	vated says Chairman Hughes	V Jan	3 27	7 33
				Pennsylvania Industrial Chemical Corp. — High Court overturns decision restricting	N. Admir	20	40	Pittson Co Refinery Construction and ex-			
PB Inc. — Acquired by Witco PPG Industries — Airco's mishap at Puerto	. Fe	b i	17	'99 Refuse Act enforcement Pennwalt — Ionamin (phentermine): BNDD		23	16	pansion planned Plough Inc. — Di-Gel: given two years to	. May	2	9
Rican air-separation plant causes shut down	i Ma	ar 14	11	plans to impose restrictions Nitrogen prices	. June N Jan	10	15 23	prove effectiveness Polaks Frutal Works — Acquired by Hercules		11 28	19
Assumes full control of its glass-reinforced thermoplastic laminate venture with UC,				Pennzoll — Duval Copper Div.'s Sierrita mine will use its own hydrometallurgical				Polimex Cekop — Phosphoric acid plant for Morocco's Cherifien des Phosphates!	N Feb	28	23
called G.R.T.L. Co	V Ja	n 10	10	technique	. Apr	25 27	44 15	Techmashimport buys sulfuric acid plants		23	43
thetic soda ash and related operations				Perkin-Elmer - Liquid chromatograph that		-		Titanium dioxide plant planned	R May	30	48
will be completed no later than Mar. 31 N Feb 14-17	. M		7 40	can be equipped with a data system called PEP	May	9	36	L1G	R Apr	11	20
Bargains to boost productivity; union at	H A	or 2	5 21	Permite Corp. — Premixed surfactant system Banish, kills mildew on interior and exterior				SOAP project: Dow drops out; Du Pont and Polymer must now decide whether			40
Barberton agrees to discuss easing of work rules	Ja		3 36	surfaces Pertamina — PP plant at Pladju onstream		20	35 19	SOAP isn't dead	N May	30	12
Chemical employment is up (table)		Dr .	4 24	Petrobras Quimica — Contract to Kellogg				Polymer Materials Co. — Cellulose acstate			

toys are becoming more popular as a result of child safety laws XCEL Corp. see under name	May	9	21	builtR Polyester resin unit that will boost the com- pany's capacity to 250 million lbs/year	May	2	15	Rubinstein, Helena — Colgate-Palmolive seeking to acquire HR	May May		23 15
Polysar Ltd. — New name for Polymer	Apr	11	20	by late '74 Reinforced plastics win big everywhere	Mar Feb	28	31 27	Musk chemicals have the sweet smell of success	Feb		49
Corp		30	9	Rosin-ester plant at Gulfport, Miss. planned	May	2	15	Ruhr-Pulverlack — Ferro licenses powder coating technology	Apr		18
supply industry Portland Cement Co. — Attachment has the	Mar	7	47	Tenneco's Newport Div. acquiredR Tenneco's Newport Div. acquisition is part	May	30	15	Rutile and Zircon Mines — Sherwin-Williams	Jan	31	15
effect of boosting stack height 20% N Porvair Ltd. — Synthetics aim for bigger cut	May	23	40	of RC's bid for "technological synergy" in resin operations	June	6	25	licenses process to produce synthetic rutile ore from ilmenite sands at Ashtabula .	Feb	28	21
of shoe market Potash Co. of America — Potash prices N	Apr	7 25	35 30		Mar	14	21	S			
Potlatch Forests — Acquires Marcal's paper mill and tissue-converting operations in	· ·	10	10	Republic Steel Corp. — Nickel extraction process will permit use of new ores and will		04	40				
Orange Calif R Princeton Polymer Laboratories — Additive	Jan	10	18	improve recovery	Mar	7	42		Jan	24	32
for photodegrading polymers licensed . N Procon Ltd. — Canadian oil refinery project	Mai	14	40	completely recycle all waste water .N Rexene Polymers — ABS resins pricesN	Mar May	2	43 28	N.Y. Society of Security Analysts hears prospects	May	30	14
at Come-By-Chance, Newfoundland, de- layed	May	2	7	Rexer Pharmacal — Amphetamine: U.S. puts down diet 'ups'	Apr	11	19	St. Joe Minerals — RSR charging SJM with misrepresentations in connection with RSR's acquisition of Quemetco R	F-4	21	21
faction plant at Arzew, AlgeriaR Procter & Gamble — Deodorants and anti-	Feb	21	21	Reynolds Aluminum — BPA power cuts force production cutbacks Reynolds Metals — AEC authorizes use of	Apr	25	21	Sales and earnings in '72	Jan Mar	17	20
perspirants; FTC orders manufacturers to	lung	6	26	previously classified data on uranium	la-	17		'72 profits; '73 forecast St. Regis Paper — Wirebound Div. to be ac-		14	29
Detergent marketers bracing for a major	June	0	20	enrichment		17	14	Salgema Industrias Quimicas — Chlor-alkali	June	6	29
promotional battle in N.Y. as the state- wide ban on phosphate detergents takes		•	20	Seminar N Bows out of bauxite mining in Ghana	Mar Jan	3	18	facility being built at Macceio, Bahia		23	43
effect	June	6	36 71	Rheinische Olefinwerke — Ethylene and propylene plant started up	Feb	14	34	Sam Yang Co. — Terephthalic acid joint venture	June	27	39
Quincy, Mass., fatty acid plant expansion. R Test marketing a new unbuilt HDL, called		23	24	Rhone-Poulenc — European companies have increased profits by diversifying into				Sandoz — European companies have in- creased profits by diversifying into pharma-			
Era West German subsidiary annual reportR	Apr Jan	11 24	32 32	pharmaceuticals, are expanding at home and abroad	Apr	11	36	ceuticals, are expanding at home and abroad	Apr Mar	11 21	36 50
Proprietary Perfumes Ltd. — Tackles U.S. fragrance market	Mar	28	40	Sales and earnings in '72	June	13	34 39	Sandoz-Wander — Sanorex (mazindol): BNDD imposes restrictions	June	27	15
Prototype Packaging — Brockway Glass will acquire Prototype Packaging	June	13	21	Richardson Co. — Polystyrene plant bought from Petrochemical InvestmentR	Mar	14	21	Santos Ltd. — South Australia site for a petro-		11	25
power generating plant SW of Inola				Richardson-Merrell — Diethylpropion prod- ucts, Tenuate and Tepanil: BNDD plans to				Sanyo Chemical Industries — Nagoya high- molecular-weight flocculant capacity in-	при		20
Public Service Electric & Gas — SNG: First	May	23	24	impose restrictions Kolantyl: FDA proposes ban	June Apr	27 11	15 19	crease	Feb	14	34
plant in U.S. gasifies naphtha for peak shaving	May	2	33	Rigips Baustoffwerke — Rigips Nederland see under name				derived proteins plant at Sardoch, Sardinia	Mar	7	20
SNG unit onstream at Harrison, N.J		11	19	Rigips Nederland — Gypsum board plant in Netherlands to be built	Feb	7	36	Sauerefabrik Schweizerhall — Chlorine plant completed	Feb	14	34
project suit over costs Anatomy of a lawsuit	Jan Feb	7	14	Rio Tinto — Titanio S.A. see under name Rio Tuba Nickel Mining — UOP will sell its				Schering — Sales and earnings in '72 R Scientific Design — Engineering for Mexican	Jan	24	32
Penuelas plant will be back in produc- tion	May	23	24	40% interest in RTNM to Pacific Metals R Robertson Distribution Systems — Diamond	Mar	7	16	bisphenol plant	Jan	24	32
Pure-Pac Pharmaceutical — FDA warns con- tainers supposedly filled with epsom salt,		20		signs first "integrated service" contract in chemical distribution pact	Mar	21	31	material N Synthetics aim for bigger cut of shoe	Feb	21	25
may actually contain potassium nitrate Purex Corp — Mislabeling disinfectants and	June	20	15	Robertson, H.H. Co. — Freeman Chemical Corp. see under name				market Scott Paper — Dividends raisedR	Mar May	7 2	35 15
pesticides charged Polytex, liquid hydrogen peroxide, will be	Jan	17	19	Robins, A.H. Co. — Pondamin, soon to get FDA clearance	Jan	31	15	Scott-Chatham Co. see under name Scott's Liquid Gold, Inc. — Liquid Gold:			
marketed as a household laundry bleach	Mar	14	28	Robinson Bros. — Gas strike cuts supplies .N Robintech — Copper tubing operations to be		21	37	wood-panel polish Seaboard Coast Line — Phosphate rock	Apr	18	20
Polytex bleach introduced Pytam Products — Dye supplier to the candle	Apr	25	51	sold to Kensico Industries	Jan Jan	31	15 13	loading terminal shut down by collapse of huge loading boom	June	20	15
market	Jan	24	33		June	27	15	Searle, G.D. & Co. — Stock split, dividend increase planned	Feb	7	12
Q				Rocky Mountain Dental Products — Poly- carbonate brackets	Mar	7	47	Will join Ajinomoto in building a plant in the U.S. to produce new amino acids-based			
Quaker Chemical — Benoliel paints a bright				Rohm & Haas — Acrylate monomer plant in Deer Park, Tex., planned	June	27	15	sweetener R May 9-17	May	23	39
picture of '73 chemical prospects for financial analysts	Mar	28	22	mined by availability of feedstocks	May	2	7	in 10 years radials will have captured 60-80% of the tire market	Jan	31	21
Quemetco — RSR charging St. Joe Minerals with misrepresentations in connection				know-how and the catalyst from Japan Catalytic Chemical	Mov	9	33	Sentrachem — Calcium hypochlorite joint plant at Chloorkop, TransvaalF	Jan	24	32
with RSR's acquisition of Quemetco ! Questor Corp. — Houston Chemical will test	R Feb	21	21	Gregory: 'In our industry, we have best growth dynamics'	. Jan	24	12	Setech — New name for Swift's chemical div.		3	16
systems approach to auto emissions con- trol that will meet '76 standards while using				Gregory has changed solid but slow- moving chemical firm into growth-	Jan	24	12	Setico Cie. — France indicts officers of two companies charged with manslaughter in			
leaded fuels	N Mar	14	39	oriented pacesetter, but he faces prob- lems in diversifying into fibers and health				connection with the accidental deaths of 41 babies treated last year with talcum			
R				products (charts) Methyl methacrylate monomer expansion	June	20	32	powder containing large amounts of hexa- chlorophene	Jan	3	12
RCA Holographic optical computer				at Houston Methyl methacrylate prices	R Apr	11 25	19 30	Shaheen Natural Resources Co. — Carlson, Carl at AlChE meeting discusses prices Shell Chemical — Compounding unit at	. Mar	21	45
memory that performs full-cycle data proc- essing operations developed		28	43	Rollins-Purie — Contract waste treatment pay off: fast-growing service is built on		20	00	Marietta, O., thermoplastic rubber complex	R Mar	7	16
REM Scientific — Skylab astronauts will carry analyzer			15	low-cost plant operation Ronson Corp. — Liquigas bids for control	. Apr	4	55	Deer Park, Tex., plant strike: tentative		20	15
RH Cosmetics — Musk chemicals have the sweet smell of success	Feb	21	49	of RC delayed as N.J. Court issues re- straining order against a tender offer by				agreement signed		23	
RSR Corp. — Suit charging St. Joe Minerals with misrepresentations in connection with		-	-	Liquifin AG. Rorer, William H. Co. — Methaqualone:	R June	13	21	OCAW strikes three West Coast chemical	. May	9	16
	R Feb	21	21	government's decision to put meth- aqualone under stricter controls will be				plants Petrochemical plant planned at Norco, La refinery		4	17
soy protein Ranchers Exploration & Development	N May	9	26	challenged Rothschild, L.F. & Co. — Aldrich addressing	N Apr	18	18	Polystyrene plant at Carrington, England	Apr A Jan	3	29
Joint venture with Mitsubishi to operate	9	14	27	1st Industrial Water & Pollution Contro				Shell Development Co. — "If it doesn't fit — forget it" — report			0
Bluebird copper mine in Miami, Ariz Raybestos-Manhattan — Phase-out of "un profitable" rubber product lines at Passai	He .	14	21	Conference & Exposition: Counting com- plex cleanup costs	Mar	28	41	Correction — letter Shell Oil — Houston refinery four-month strike		14	8
plant	Jun	e 13	20	Roussel-Uclat — European companies have increased profits by diversifying into)			ocaw strikes three West Coast chemical		30	15
Reed Process Co. — Reed describes a new route for the recovery of the fluorine re	-			pharmaceuticals, are expanding at home and abroad	Apr	11	36	OCAW steps up pressure on new labor	R Jan	31	15
leased when processing phosphate rock a AIChE meeting	Jun	ie 13	41	Plans to establish a U.S. sales office nex year in joint venture with Hoechst Phar				contracts Refinery construction and expansion)	7	17
Refineria de Petroleos de Escombrera S.A. — Royal Dutch/Shell cutting back o	iέl		-		.R May	9	28	planned	l I	2	9
deliveries by 25% Reichhold Chemicals — Acquires assets of Wright Chemical's resin and formaldehyd	N May	у 2	24	Royal Dutch/Shell — Cutting back by 259 the amount of oil it will deliver to Repesa	N May	2	24	strength following ratification of new	June	13	21
plant at Marvern, Ark	.R Ma	y 9	17	Negotiating with Unie Van Kunstmest fabrieken to sell as much as 75% to it	8			Shellstar — Royal Dutch/Shell negotiatin with UVK to sell as much as 75% interesting Shellstar.	st		20
Epoxy resins cross-licensing agreement with Dainippon Ink	.R Jan			U.S. fertilizer subsidiary Shelfstar Agreement reached	Mar N May	7 9	20 29	Agreement reached	.N May		
Meeting (annual): first-quarter results . '73 outlook from P. Fass	. Fet			Nuclear entry: 50-50 joint venture wit Gutl Oil	Juni	13	19	Sherwin-Williams — First U.S. licensee of ilmenite beneficiation technology from Chloring Technology Ltd.	m		39
Polyester resin plant at Morris, III. to b	18			Nuclear fuel and coal production interest	8			Chlorine Technology Ltd	Apr	4	3

Licenses process from Rutile and Zircon				Southern California Edison — Vertical kiln				Niihama complex completedR	June	6	35
Mines to produce synthetic rutile ore from ilmenite sands at Ashtabula	Feb	28	21	process may end oil-from-shale bottleneck . Southwest Research Institute — Unusual	Apr	18	33	Negotiating with Dow for licensing of	May	2	23
Meeting (annual) Schlaudecker predicts his group will	May	9	15	process sequence for removing viruses, phosphates and most organic contaminants					Mar		50
operate in the black in '73	Feb	28	20	from municipal waste water will be tested	Inn	31	20	Hasegawa trying to interest other Japan- ese chemical makers in his plan	Mar	7	20
forming fabrication rapidly becoming a				with city of San Antonio			39	Trying to sell benzene-toluene-xylene plant		,	-
Shinetsu Chemical Industry Co. — Tenneco's	June	20	22	ment	June	31	15 43	and acetaldehyde plant to China N Sun Oil — Aliphatic solvents plant at Marcus	May	2	24
PVC project in Texas will use the large reactor technology licensed from SCIC . N	Apr	25	13	Speichim (Soc. Pour l'Equipment des Industries Chimiques) — Petrochemical				Hook, Pa. R Marcus Hook, Pa., refinery strike	Feb Mar	7 28	17
	June	27	15	complex for ChinaN	May	23	40	Strike talks continue	May	23 27	20
KawasakiR	May	2	23		Apr	4	47	Sunkyung-Teijin — DMT plant in Korea Swift & Co — Name changes: chemical div.	June	21	39
New Zealand feasibility study on the use of geothermal steam for the production				Staley, A.E. Co. — Soy granules and isolated soy protein	May	9	26	to Setech, holding company to Esmark and petroleum div. to Vickers Energy Corp R	Jan	3	16
of heavy water	Apr Feb	21	41 39	Textured vegetable protein made from soy flour capacity doubledN		9	26	Swift Chemical — Agreement with IMC to purchase phosphate materials	Feb	21	21
Venezuelan aluminum smelter studied				Standard Chemical Ltd. — Court actions on		2		Brominex line of flame retardants for	100	61	-
Shriram Fibres - Nylon tire cord plant at	Mar	21	50	mercury dumping charges	Apr	11	34	flexible urethanes purchased by Great Lakes Chemical N May 9-33	May	16	24
Manali, India	June	20	19	boost	June	6	35	Customer for IMC fertilizer plantN Vrablik, Edward: Picking winners in chem-	May	2	27
	Feb	28	23	of the shares of Empresa Nacional de Petroleos de Tarragona	Mor	7	20	icals and canines Swift Fresh Meats Co. — Chlor-Chill tech-	June	20	40
Bayport, Tex., shut down and sold to Big				Chinese talks discuss exploitation of pos-	ividi	,	20	nique controls bacteria during meat proc-	h.m.	42	40
Simon-Carves — Sim-Chem Div. — contract	Feb	14	53	sible oil reserves in the outer continental shelf under the China Sea	May	30	14	essing N Sybron — Reverse-osmosis equipment could	June	13	43
for Rumanian hydrogen peroxide plant at Bucharest	Apr	18	29	Octane down, output upOCAW steps up pressure on new labor	May	30	11	get market lift from huge plant mapped by U.S.	June	13	17
Simon Carves Africa — Construction contract for African sulfuric acid plant for AE&CI R		14	34	contracts	Feb	7	17	Taylor Instrument Process Control Div. — Quick-Scan 1400, pneumatic instruments			
Simon Engineering — Pretax profit jumps				Refinery construction and expansion planned	May	2	9	making debut N	Apr	18	39
50% R Wants to take over Davy-Ashmore N	Jan Jan	24 17	32 36	Standard Oil (Indiana) — '73 capital and exploration expenditures	Jan	24	12	Syntex — DES alternatives suspected of being carcinogenic	May	9	16
Takeover bid withdrawn R Sinclair-Koppers — HDPE prices N	Mar Feb	21 28	50 29	Polypropylene patent case: Montedison is the winner		14	68				
Houston ethylene plant boosting canacity	Apr	25	15	Standard Oil (Ohio) Acrylonitrile process	160	19	00	T			
Monsanto's LDPE plant to provide resins through mid-74	Feb	21	13	licensed by China Petrochemical Corp R Alaska pipeline: another snag	May Feb	30	47				
Polystyrene prices N Feb 28-29 N Styrene monomer prices N	May	28	28 29	American Petrofina acquires BP refinery at				Tachan Aluminum - Formed to run alu-			
Sinclair Oil — Pasco, Inc., acquires certain properties	Jan	10	18	Port Arthur, Tex	May	23	24	minum plant, Hankuk Aluminum, at Ulsan . Taedong Synthetic Fiber Dimenthyl ter-	June	27	39
Sinclair-Valentine - Dispersion dyes for				trile License to manufacture and sell Barex 210	May	16	23	ephthalate plant in Korea Takata Kojyo Co. — Plastic pipe will be job	Jan	10	45
thermal printing Singapore United Paints — Paint joint venture	Feb	28	47	resin awarded to Lonza	Apr Feb	4 21	29 21	hunting in the U.S	May	9	34
plant in Singapore	Jan	17	44	Marcus Hook, Pa., refinery modernization .R Paraho Development's process for re-	1.60	21	21	Takeda Chemical Industries Activated carbon joint venture in Malaysia R	Jan	17	44
mine: U.S. puts down diet 'ups'	Apr	11	19	covering various hydrocarbons from oil shale will be studied	Mar	7	43	Joint-venture pharmaceutical manu-	Apr	18	29
Pharmaceuticals unit at Ringaskiddy, Ireland N	Jan	17	25	Propylene-to-acrylic process wins first U.S.	Jan	24	37	Tantalum Mining — Chemallov bids to buy	Uhi	10	23
Weight-reducing drugs under fire N Snam Progetti — Algerian petrochemical	Jan	17	14	assignment Star Drilling, Inc. — Natural Gas Pipeline	Jan	24	37	back the 25% interest in TM sold to Manitoba Development	May	30	15
complex	Mar	7	20	acquires rights to coal that is "ideally suited for gasification"	Feb	7	39	Tata Chemicals — Soda ash plant at Mithapur expansion	Jan	10	46
R May 2-23	May	9	28	Stauffer Chemical — Benzene phosphorus dichloride and benzene phosphorus thio-				Tebbe Polyplast - Polyester resins plant			
at SDA convention	Jan	31	14	dichloride capacity at Mt. Pleasant, Tenn.,	Anr	10	16	at Cornwall, Ont		28	34
First U.S. chemical shipment leaves Houston for China	Jan	31	15	Delaware suit filed to block the compromise	Apr	18	15	planned	May	23	43
IMC increases its stake in Sobin in a deal that Sobin hopes will provide a "launch-	ouri	3,		that gave company more time to meet pollution control regulations at its Dela-				Du Pont process	Feb May	21	39
ing pad" for further growth	June	27	13	ware City sulfur recovery plantR Dividend increaseR	Mar	28	23	Technip — Ammonia plant at Arzew and gas	May	23	43
Sobin, J., says U.SChina trade could reach \$400 million in '73N	May	30	9	Egg substitute called TrietN	June	20	22	liquefaction units at Skikda closed due to technical problems . N	May	2	28
Soc. Commerciale des Potasses et de l'Azote Sarl — ECC prohibits cooperation				Eradicane herbicide Apr 25-18 N Meeting (annual): herbicide Eradicane in-	Apr	25	43	Italian affiliate will build VCM plant at		2	23
agreement with Kali und SalzN	June	20	20	troduced; commitments to the soda ash and flame-retardant markets discussed	Apr	25	18	Burgas, Bulgaria	Feb	14	34
Soc. de Cokes d'Ambes — Petroleum coke manufacturing plant near Bordeaux,				Sales and earnings for '72: Three come on strong	Jan	24	15	Tecnicas Reunidas — Contract for ammonia plant for UEE-Rio Tinto	Jan	10	46
France	Apr	4	29	SWS Silicones Div silicone rubber for		24		Teijin Agrochemicals Pesticides plant for China	Feb	14	31
plant at Lee Creek, N.C., being built by	lan	3	33	making molds for candles United Foam Corp.: Justice Dept rules	Jan	24	34	Teijin Ltd. — Diversifying into cosmetics, to acquire a 1/3 interest in Papilio Cos-			
Wellman-Power, will use Prayon process Soc. des Participations Gardinier — Aquisi-	Jan	3	33	 co. will be allowed to keep the three urethane plants it acquired from Stauffer. 				metics		10	48
tion of Cities Service's phosphatic fer- tilizer complex and phosphate rock mining				but will have to divest itself of the Comp- ton plant	May	9	15	Japan acts against fiber cartel Nylon capacity expanding	Jan Mar	14	29 33
and recovery operations in FlaN Soc. des Vernis Bouvet — Dexter Corp. to	Feb	7	9	Stepan Chemical — Acquires the foam systems business of Armstrong Cork R		31	15	Para-Xylene unit and ortho-xylene plant at Matsuyarna complex	Feb	21	39
purchase majority interest	May	2	23	Maywood Div. — candle fragrance must				People's Republic recognizes Teijin as a		14	31
quires majority interest	May	23	46	meet special criteria Maywood, N.J., plant continues to violate	Jan	24	33	"friendly company" N	May	2	32
Soc Italiana Resine Projects in Sardinia	May	30	48	air pollution regulations charges DEP Sterling Drug — Al-Caroid: FDA proposes	May	16	20	Polyester film will debut in Japan N Sales and earnings P		25	43 28
Sicily and southern Italy Sales and earnings in '72 F Sodium tripolyphosphate plant at Porto	June	6	35	ban	Apr	11	19	'72 fiscal year Thailand's Siracha petrochemical complex	May	23	43
Torres, Sardinia, onstreamF	Apr	4	29	Aspirin: FTC charges, that ads for non- prescription analgesics were misleading.				End of an impasse	Mar	14	30
SBR plant at Porto Torres, Sardinia, on- stream	May	2	23	Deodorants and antiperspirants. FTC	Mar	21	23	Teijin Petrochemical Industries — Para- Xylene unit and ortho-xylene plant at			
Soc. Nationale des Petroles d'Aquitaine — Ethylmercaptan and diethyl sulfide plant				orders manufacturers to document ad claims	June	6	26	Matsuyama complex Teledyne Isotopes — TLD market	R Feb June	21 27	39 35
at Lacq. France	R May	2	23	Winthrop Labs staph outbreaks raise	Julie	0	20	Tenneco Chemicals - Newport Div to be			
Soda Aromatic - Plant for making macro-	y Jan	3	32	pressure for end of hexachlorophene ban	Jan	31	14	Acquisition reflects Tenneco's consider-	R May	30	15
cyclic musk				Sterling Moulding Materials — Polystyrene prices	May	2	28	ation of redeploying assets PVC resin capacity expansion at Pasa-	June	6	25
cyclic musk Sodeteg — Petrochemical complex planned		25	27				60	dena, Tex	N Apr	4	37
cyclic musk Sodeteg — Petrochemical complex planned for Kuwait Sohio Petroleum — Vertical kiln process may	N Apr	25	27	Sterokautschukwerke - Merger with Buna-							
cyclic musk Sodeteg — Petrochemical complex planned for Kuwait	N Apr	18	33	Sterokautschukwerke — Merger with Buna- werke Huels Stone & Webster — SNG plant: Cities Ser-	l Jan	10	46	Reactor technology licensed from Shinetsu Chemical will be used	N Apr	25	13
cyclic musk Sodeteg — Petrochemical complex planned for Kuwait Sohio Petroleum — Vertical kiin process may end oil-from-shale bottleneck Solvay — Sales and earnings in 72 Somerville, Robert L. & Associates —	Apr Apr May	18	33	Sterokautschukwerke — Merger with Buna- werke Huels Stone & Webster — SNG plant: Cities Ser- vice's definitive design will start shortly	l Jan	10 23	46 40	Reactor technology licensed from Shinetsu Chemical will be used Tenneco Chemicals Belgium — Formed	N Jan	25 17	44
cyclic musk Sodeteg — Petrochemical complex planned for Kuwaii Sohio Petroleum — Vertical kiin process may end oil-from-shale bottleneck Solvay — Sales and earnings in '72 Somerville, Robert L. & Associates — Travelling-bett filter will get its first test in Olin's Pasadena, Tex., phosphonic acid	Apr Apr May	18 30	33 47	Sterokautschukwerke — Merger with Buna- werke Huels Stone & Webster — SNG plant: Cities Ser- vice's definitive design will start shortly. N Stone Container — Acquires assets and busi- nesses of Grand City Container and Federal	Jan May	23	40	Reactor technology licensed from Shinetsu Chemical will be used Tenneco Chemicals Belgium — Formed Tenneco Inc. — Capital and investment ex- penditures plans	N Jan N Apr	17 25	13
cyclic musk Sodeteg — Petrochemical complex planned for Kuwaii Sohio Petroleum — Vertical kiin process may end oil-from-shale bottleneck Solvay — Sales and earmings in '72 Somerville, Robert L. & Associates — Travelling-bett filter will get its first test in Olin's Pasadena, Tex., phosphoric acid plant Sonatrach — El Paso-Algena LNG project	Apr Apr May	18	33	Sierokaufschukwerke — Merger with Buna- werke Husls Stone & Webster — SNG plant: Cities Ser- vice's definitive design will start short). Stone Container — Acquires assets and busi- nesses of Grand City Container and Federal Carton Story Chemical — Acquires Farchan Re-	Jan May May	23 9	40	Reactor technology licensed from Shinelsu Chemical will be used Tenneco Chemicais Belgium — Formed Tenneco inc — Capital and investment ex- penditures plans LNG tankers to be built Tennessee Gas Pipeline Div — natural	N Jan N Apr N Apr	17 25 25	13 13
cyclic musk Sodeteg — Petrochemical complex planned for Kuwaii Sohio Petroleum — Vertical kiin process may end oil-from-shale bottleneck Solvay — Sales and earnings in '72 Somerville, Robert L. & Associates — Travelling-bett filter will get its first test in Olin's Pasadena, Tex., phosphoric acid plant Sonatrach — El Paso-Algena LNG project won't help ease the U.S. energy crunch	Apr Apr May	18 30	33 47 47	Sierokautschukwerke — Merger with Buna- werke Husls Stone & Webster — SNG plant: Cities Ser- vice's definitive design will start short). Stone Container — Acquires assets and busi- nesses of Grand City Container and Federal Carton Story Chemical — Acquires Farchan Re- search Labs Stuart, D. A. Olt Co — Faces stricter controls	Jan May May	23	40	Reactor technology licensed from Shinetsu Chemical will be used Tenneco Chemicals Belgium — Formed Tenneco inc. — Capital and investment ex- penditures plans LNG tankers to be built Tennessee Gas Pipeline Dru — natural gas price hike approved by FPC	N Jan N Apr N Apr N June	17 25	13
cyclic musk Sodeteg — Petrochemical complex planned for Kuwall Sohio Petroleum — Vertical kin process may end oil-from-shale bottleneck Solvay — Sales and earnings in '72 Somerville, Robert L. & Associates — Travelling-bett filter will get its first test in Olin's Pasadena, Tex., phosphoric acid plant Sonatrach — El Paso-Algeria LNG project won't help ease the U.S. energy crunch until early '78 Natural oas flouefaction plant at Arzew	Apr Apr Apr May N Apr N Apr	18 30 4	33 47 47	Sierokautschulwerke — Merger with Buna- werke Husls — F. Stone & Webster — SNG plant: Cities Ser- vice's definitive design will start shortly. None Conlainer — Acquires assets and busi- nesses of Grand City Container and Federal Carton Story Chemical — Acquires Farchan Re- search Labs Stuart, D.A. Oil Co. — Faces stricter controls as result of gas leak	May May Apr Apr	23 9 18 4	40 17 15 24	Reactor technology licensed from Shinetsu Chemical will be used Tenneco Chemicals Belgium — Formed Tenneco inc. — Capital and investment ex- penditures plans LNG tankers to be built Tennessee Gas Pipeline Div. — natural gas price hile approved by FPC West Deptford, N.J., site of a terminal for imported LNG	N Jan N Apr N Apr N June	17 25 25	13 13
cyclic musk Sodeteg — Petrochemical complex planned for Kuwall Sohio Petroleum — Vertical kin process may end oil-from-shale bottleneck Solvay — Sales and earnings in '72' Somerville, Robert L. & Associates — Travelling-bett filter will get its first test in Olin's Pasadena, Tex., phosphoric acid plant Sonatrach — El Paso-Algeria LNG project won't help ease the U.S. energy crunch until early '78 Natural gas liquefaction plant at Arzew Natural gas liquefaction plant near Algiers, France	Apr Apr Apr May N Apr N Apr R Feb	18 30 4 11 21	33 47 47 13 21	Sierokautschulwerke — Merger with Buna- werke Husls — F. Stone & Webster — SNG plant Cities Ser- vice's definitive design will start shortly. Stone Container — Acquires assets and busi- nesses of Grand City Container and Federal Carton — F. Story Chemical — Acquires Farchan Re- search Labs — Sugar, D. A. Oil Co. — Faces stricter controls as result of gas leak Stymer — Finnish chemical buildup Styrene Polymers Ltd. — Polystyrene unit	May May May Apr Apr	9 18 4 25	40 17 15 24 28	Reactor technology licensed from Shinetsu Chemical will be used Tenneco Chemicals Belgium — Formed Tenneco inc. — Capital and investment ex- penditures plans LMG tankers to be built Tennessee Gas Pipeline Div. — natural gas price hike approved by FPC. West Deptford, N.J., site of a terminal for imported LNG Tenneco International — Forms a subsidiary. Tenneco Chemicals Belgium	N Jan N Apr N Apr N June R Feb R Jan	17 25 25 6	13 13 22
cyclic musk Sodeteg — Petrochemical complex planned for Kuwail Sohio Petroleum — Vertical kiin process may end oil-from-shale bottleneck Solvey — Sales and earnings in '72 Somerville, Robert L. & Associates — Travelling-bett filler will get its first test in Olin's Pasadena, Tex, phosphoric acid plant Sonatrach — El Paso-Algeria LNG project won't help ease the U.S. energy crunch until early '78 Natural gas liquefaction plant at Arzew Natural gas liquefaction plant at Arzew Natural gas liquefaction plant at Arzew Natural gas liquefaction plant ar Algiers, France Petrochemical complex contract to Chem	Apr Apr Apr May N Apr N Apr R Feb	18 30 4 11 21	33 47 47 13 21	Sierokautschulwerke — Merger with Buna- werke Husls — Stone & Webster — SNG plant Cities Ser- vice's definitive design will start shortly. Stone Container — Acquires assets and busi- nesses of Grand City Container and Federal Carton — Story Chemical — Acquires Farchan Re- search Labs — Faces stricter controls as result of gas leak Slymer — Finnish chemical buildup Styrene Polymers Ltd. — Polystyrene unit at Halfa Sublistatic Corp of America — Thermal	May May May Apr Apr Apr May	23 9 18 4 25 9	40 17 15 24 28 27	Reactor technology licensed from Shinetsu Chemical will be used Tenneco Chemicals Belgium — Formed Tenneco inc — Capital and investment ex- penditures plans LNG tankers to be built Tennessee Gas Pipeline Div — natural gas price hike approved by FPC West Deptford, NJ, site of a terminal for imported LNG Tenneco International — Forms a subsidiary, Tenneco Chemicals Belgium Tennesee Eastman — Disperse dyes unit	N Jan N Apr N Apr N June R Feb R Jan	17 25 25 6 14	13 13 22 27
cyclic musk Sodeteg — Petrochemical complex planned for Kuwall Sohio Petroleum — Vertical kin process may end oil-from-shale bottleneck Solvay — Sales and earnings in '72' Somerville, Robert L. & Associates — Travelling-bett filter will get its first test in Olin's Pasadena, Tex., phosphoric acid plant Sonatrach — El Paso-Algeria LNG project won't help ease the U.S. energy crunch until early '78 Natural gas liquefaction plant at Arzew Natural gas liquefaction plant near Algiers, France	Apr Apr May	18 30 4 11 21 14 7	33 47 47 13 21 34	Sierokautschukwerke — Merger with Buna- werke Huels Stone & Webster — SNG plant: Cities Ser- vice's definitive design will start short). Stone Container — Acquires assets and businesses of Grand City Container and Federal Carton Story Chemical — Acquires Farchan Re- search Labs Stuart, D. A. Oil Co. — Faces stricter controls as result of gas leak Stymer — Finnish chemical buildup Styrene Polymers Ltd. — Polystyrene unit at Halfa	May May May Apr Apr Apr	9 18 4 25	40 17 15 24 28	Reactor technology licensed from Shinetsu Chemical will be used Tenneco Chemicals Belgium — Formed Tenneco inc — Capital and investment ex- penditures plans LNG tankers to be built Tennessee Gas Pipeline Div — natural gas price hike approved by FPC West Deptitor in J.; atte of a terminal for imported LNG Tenneco International — Forms a subsidiary, Tenneco Chemicals Belgium Tennesce Eastman — Disperse dyes unit	N Jan N Apr N Apr N June R Feb R Jan R Mar	17 25 25 6 14 17	13 13 22 27 44

36				CHEMICAL WEEK INDEX SAIDBY	00110 10						
Texaco — Acquires 10% of the shares of				Russian polyester staple plant: Uhde beats out Chemtex for contractN	May	30	49	Guff Oil negotiating the sale of its interest in three joint ventures in Huelva R Jan			
Empresa Nacional de Petroleos de Tarra- gona	Mar	7	20	Unie Van Kunstmestfabrieken — Royal	IMBY	30	40	17-44, R Apr 4-29N	June	6	33
Natural gas price hike approved by FPC N	June	6	22	Dutch/Shell negotiating with UVK to sell as much as 75% of its U.K. fertilizer sub-				TiO ₂ plant at Huelva planned N Union Oil of California — Sales and earnings	Feb	28	23
OCAW gets new two-year contracts Texaco-Coastal States deal challenged by	Jan	17	21	sidiary Shellstar	Mar	7	20	in '72; '73 forecast	Mar	14	16
	June	20	13	Agreement reached	May	9	29	Uniroyal — Air-bag safety systems' con- tracts	Feb	21	19
Texaco Canada — Refinery in Ontario	May	30	15	Unilever — Acquires majority interests in Soc. Industrielle de Soisins and Vereinigte				Flexzone antiozonants and intermediates		-	
	Mar	7	16	PulverlackR	May	23	46	manufacturing plant at Geismar, La., expansion	June	20	16
Texas Eastern Transmission Corp. — Coal				Sales and profits, first-quarter '73 R Uniliq S.p.A. — Molecular-sieves unit near	May	30	48	Radial tire output boost	Feb	7	14
gasification plant on a Navajo reservation near Farmington, N.M., planned	Feb	14	66	Reggio Calabria, Italy, plannedR	Mar	21	24	Rubber products installations include plants at Red Oak, la., Maryville, Mo.,			
LNG tank disaster will aggravate CPI's	Feb	21	19	Union Carbide — Acquires 100% owner- ship of Bakelite Xylonite by buying out				and Port Cliton, O. R June 6-29	June	13	20
site selection problems Moratorium on LNG?	Feb	28	18	Distillers Co	June	6	27	Strike unlikely United Aircraft — AEC authorizes use of	Apr	18	15
West Deptford, N.J., site of a terminal		14	27	Air-separation plant at East Chicago, Ind., complex planned	Apr	11	19	previously classified data on uranium			
for imported LNG	reb	14	61	Air-separation plant in northern Texas R	Feb	28	19	enrichment	Jan	17	14
Tenneco - Siberian natural gas: U.S.	Max	21	17	Anderson, Warren, executive v-p: Former grid star now competes in tough mar-				295,000 tendered shares of Foster Grant .R	June	20	16
development chances brightenN Texas Gulf Inc. — Annual meeting; '73 out-	Mar	21	17	kets	Jan	17	48	United Foam Corp. — Justice Dept. rules company will be allowed to keep the 3 ure-			
look	May	2	12	Annual meeting; '73 outlook AEC negotiations to renew pact to operate	May	2	12	thane foam plants it acquired from Stauffer,			
Frasch sulfur prices	Jan	17	23	atomic plants: some hurdles to clear	Apr	4	27	but will have to divest itself of the Comp-		0	46
N.C	May	30	15	 Biodegradable surfactants will be pro- duced and sold in Japan	Jan	24	19	ton plant	May	9	15
Monsanto Enviro-Chem gets contract for the design and engineering of a sul-				Brownsville plant suffers reduction due to	our			suit in Florida against UGPL to limit price		40	4.7
furic acid plant at Lee Creek, N.CR	Jan	3	16	Coastal States curtailment of natural gas	June	13	13	United Nuclear — TVA-UN uranium joint	Jan	10	17
Phosphoric acid plant at Lee Creek, N.C.,				Butyraidehydes plant at Ponce, Puerto	Julio	13	13	explorations and miningR	May	16	25
Societe de Prayon process	Jan	3	33	Rico, petrochemicals complexN	Apr	18	9	U.S. Borax & Chemical — Borateem Plus			
Soda ash plant and underground trona				Cancels its \$300-million line of credit with a group of banks	Jan	24	9	powder, being promoted as a bleach sub- stitute	Apr	25	51
mine in Sweetwater County, Wyo R Sulfur prices	Apr	11	19	Cellosize hydroxyethyl cellulose unit at				U.S. Industrial Chemicals Co. — HDPE		00	
Texfi Industries — Computerized response	O'dir.			Antwerp, Belgium	Apr	11	29	prices	Feb	28	29
system translates designer's sketch into fabric sample (chart)	Feb	28	14	Epoxidized oil plasticizers pricesN	Mar	14	27	nique makes field erection of big titanium,			
Texize Chemicals — Lense, Frederick, v-p.	, 00				May	2	28	or titanium-clad, vessels possibleN U.S. Leasing International Inc. — Anaconda's	Jan	17	35
His game plan stresses quality, con- sistency	Mar	28	48	Ethylene oxide and glycol plant in Taiwan possible	June	27	37	Sebree, Ky., aluminum plant to operate			
Thai Lysaght Ltd Zinc oxide plant near	-	20	40	Ethylene oxide capacity buildupN	Jan	17	13	under leasing arrangement	May	2	32
Bangkok, ThailandR	Jan	17	44	European carbon fiber plant possible N Glyoxal bids for new buyers with lower	Jan	3	7	polish	Apr	18	20
Thai Petrochemical — Siracha petrochemical complex: End of an impasse	Mar	14	30	prices	Jan	24	21	U.S. Steel — Gary, Ind., works' pollution con- trol will cost \$75-80 millionN	Mar	7	43
Thermatics Inc. — Interlake Steel's Chicago				Kenney says a toxic substances control bill the chemical industry can "live with"				Meeting (annual): Speer sees "very good	IVIGII	,	40
plant to install system for controlling coke-	Jan	24	38	is expected from Congress by Sept N	Apr	11	28	strength" for the chemical markets		40	04
Thiokol Chemical — EEOC suit charges				Linde Div. — Gas sales spark a building	June	13	25	served by USS Chemicals	May	16	24
discrimination Woodbine, Ga., plant explosion Feb 21-19	May	9 23	15	Linde Div. will construct hydrogen dis-				president: He learned to work hard early			
Thompson-Hayward Chemical - Joint-	,			tribution center near Greenville, S.C R Liquid chemicals shipment size limit set . N	May	30	15 37	in life Maleic anhydride pricesN	Apr	25 18	56 25
venture calcium hypochlorite plant at Bayport, Tex	May	2	15	Molecular Sieve Dept molecular-sieve	iway	30	31	Phenol and acetone capacity expansion .N		31	19
Tintas Ypiranga Acquired by SCM CorpR	Jan	24	32	process permits drying and desulfuriza-				USS Engineers & Consultants — Cleaner route to coke	Apr	25	44
Titanio S.A. — TiO ₂ plant at Huelva UEE-Rio Tinto applies for government per-	Apr	18	27	tion of olefin-bearing LPG streams, simultaneously	Mar	21	41	Unitika Ltd. — Fiber producers feel generic			
mission for expansionN	May	16	27	Multinational companies operations: Congressional hearings. Wilson tells				names for fibers could boost sales Know-how for Indian nylon tire cord plant .R	Mar June	14	42 19
Toho Rayon — Japan acts against fiber	Jan	3	29	Congress a heavier tax on foreign net				Universal Chemical & Mineral — Cyanamid's	00110	20	
Tonen Sekiyukagaku Ethylene unit at	Jani	3		won't create U.S. jobs (chart & table)	Mar	28	18	contract for conversion of its stream from Savannah plant into gypsum to be used to			
Tomakomai, Hokkaido, site considered R	Feb	21	39	Odor fountain: new measurement tech- nique speeds odor study, pinpoints				make wallboard	June	27	45
Tong-Suh Petrochemical — Chungju wants to sell shares	June	27	39	potential control problems (table)	Mar	14	35	Universal Oil Products — Automotive prod- ucts division set up	lan	24	12
Toray Industries - Japan acts against fiber				Organic chemicals prices	Mar	14	27	Calgon's Haven Industries and reverse-	Jen	24	12
Nylon-12 monomer laurylactam joint	Jan	3	29	Oxo alcohols' Puerto Rican plant expansion		40	0	osmosis patents to be purchased	Enh	20	19
venture R Apr 4-29R		2	23	Mar 21-29	Apr	18	9	Expects to market technology to China	Feb	28	19
Para-xylene plant at Kawasaki starts up . R Process for making macro-cyclic musk . N	Jan	2	23	ioint ventureN	Jan	10	10	within six months	June	6	26
Sales and earnings	May	9	28	Petrochemicals complex at Ponce: equip- ment breakdowns trimmed May and				Fluid Sciences Div. set up	June	6	29
'72 fiscal year	May	23	43	June output	June	27	9	'excellent outlook' for '73	Jan	10	18
tion: combined combustion-pyrolysis unit				Plastic prices	Mar Jan	17	37 13	Mislabeling disinfectants and pesticides charged	Jan	17	19
at Buffalo, N.Y. Toshi Co. — Activated carbon joint venture	Mar	7	43	Puerto Rican plant sets poliution control	Jein	17	13	Rio Tuba Nickel Mining's 40% interest			
in Malaysia	Jan	17	44	Pepeal the ASP and keep DISCs says	Apr	25	47	will be sold to Pacific MetalsR SNG plant design	Mar May	7 2	16
Total-Cia Miniere et Nuclaire — Joint uranium exploration in Australia	Mar	14	31	Wilson	Mar	14	11	UOP Fragrances — Fragrance market	Mar	28	40
Toyo Engineering - Algerian petrochemical				Sneath: Auto seating, safety bumpers show	Mar	21	20	Upjohn — Didrex (benzphetamine): BNDD imposes restrictions	June	27	15
complex R Ethylene plant for China	Mar Jan	17	20 25	promise as urethane markets	Feb	28	29	Economic survey report aimed at counter-		-	
Fertilizer plant sold to ChinaN		25	27	Texas City complex cutbacks due to	la-	•		ing arguments for restrictions on multi- nationals: details given at annual meet-			
Know-how for Indian nitrogen fertilizer plants	Feb	7	36	Texas gas curtailments Unox waste-water treatment system has	Jan	3	14	ing	May	23	23
Toyo Kogyo — Mazda with Wankel rotaries:	100		30	become "a major profit center"	Jan	10	35	EEOC suit charges discrimination	May	9	15
market for new car chemicals?	June	13	29	Union Carbide Australia — LDPE plant on- stream at Altona	lan	31	22	General Tire's polyether-urethane foam patent still holds	Jan	3	15
Toyobo Co., Ltd. — Fiber producers feel generic names for fibers could boost				Union Carbide Canada — Sales and earnings		0.		Hinman says sea whip harvesting doesn't		9	32
tales		14	42	fer '72 Union Carbide do Brasil — LDPE plant still	Feb	7	31	affect the ocean's econsystem Hypersensitivity Diseases Research	May	9	32
Japan acts against fiber cartel		3	29	beset by production problems	Mar	14	29	Group — anti-inflammatory agents may			
be doubled	Feb	21	39	Union Carbide India — Sales and earnings in '72	Ane	18	29	work best if they're structured like ice . N Process produces new polyimide 2080	June	20	31
oxide expansion in India	R Feb	7	36	Union Carbide Pan America — Jones,	whi	10	28	in half the timeN	l Feb	21	41
Tyler Corp. — Acquisition of ICI America's			-	Joseph, says economic nationalism will				Prostin F ₂ Alpha for use in terminating			
Atlas explosives division	1 Mar	28	23	increase in Latin America through the	Feb	14	31	pregnancy during the third to sixth months: permission to market asked	. Mar	7	16
				Union Chimique Beige - European com-			1	Stock split, two-for-one, and a boost in the quarterly dividend proposed		4	29
U				panies have increased profits by diver- sifying into pharmaceuticals, are ex-				Urenco Ltd. — Uranium enrichment capacity	, Apr	-	20
				panding at home and abroad	Apr	11	36	to be increased by one-third, to 400 tons/	1 8400	20	25
USV Pharmaceutical — Voranii (chlorier- mine): BNDD imposes restrictions	June	27	15	To cooperate with Metallurgie Hoboken- Overpett in R&D	May	2	23	year, by '75 or '76	Mar	28	20
Uhde, Friedrich Agreement on processes				I Inion Fenerale Evalueiuse-Bio Tinto	may			be sold to UEE-Rio Tinto	. Mar	21	49
and technology with Foster Wheeler ? Chlorine plant for Switzerland's Sauere-	N Jan	3	32	Acquisition of Desarrollos Industriales	Mar	21	49	Nylon-6 plant may be bought from Fibras Esso	. Mar	21	49
fabrik Schweizerhall completed	R Feb	14	34		Jan	10	46		· · · · ·	2.	
Contract for nitric acid plant in Ireland!	R May	9	- 28	Tecnicae Reunidas			0.7	V			
India's Standard Mills caustic soda plant expansion Nitric acid plant at Ravenna, Italy	R June	6	35	expand original plans of Titanio S.A N Canary Islands' phosphoric acid project		16	27				
Nitric acid plant at Ravenne, Italy	R May	2	23	Government encouraging the construction				Valley Nitrogen Producers — Helm, Calif.			45
Phosphoric acid plant for Morocco's Cher- fien des Phosphetes	N Feb	28	23	of chemical plants big enough to com- pete in Europe	Apr	18	27	fertilizer complex capacity upped Vancouver Plywood — Base-point pricing	May	2	15
								priority			

under attack	Mar	21	27	Warner-Lambert - Diagnostic reagents production facility and chewing gum plant				Stocks: Company completes buying 200,000 of its common shares			
faster Veba Chemie — Methanol plant at Gelsen-	May	9	36	at Dublin, Ireland	Jan	17	25	R Mar 21-24	Apr	25	21
kirchen-Buer, W. GermanyR	Mar	14	31	classification on its sales will be				sets of resin and formaldehyde plant at			
Refinery and petrochemical complex at Orsoy approved		11	00	minimal	Jan	31	15	Malvern, Ark	May	9	17
elsicol Chemical — Acquisition of Mobil's	Apr	**	20	BNDD imposes restrictions Sales and earnings; '72 preliminary report	June	27	15	edison's sulfuric acid pelletizing plant R	Mor	14	31
terephthalic acid plant at Beaumont,				Wean United — Reopening Youngstown, O.	Jan	3	12	bullour's sulfuric acid pelietizing plantn	rengii	14	01
Tex. N Apr 4-37	Anr	11	20	plant to fill a major order for electrolytic							
Bayport, Tex., herbicide plant aims at	. 40.			cells	Inn	10	18				
early '74 startup	Feb	14	27	Wellman-Power Gas - Texas Gulf's phos-	Jeni	10	10	V			
3M and VC will jointly test and market 3M's				phoric plant at Lee Creek, N.C. will use				^			
patented Sustar 2-S	June	27	15	Soc. de Prayon process	Ion	3	33				
ereinigte Pulverlack - Unilever acquires		-		Western Processing — Contract waste treat-	Jan	3	33	XCEL Corp Takes over the Newark and			
majority interest	May	23	46	ment pay off: fast-growing service is built				Belvidere, N.J., cellulosic plastic film and			
erenigde Machinefabrieken - Kellog	,			on low-cost plant operation	Apr	4	55	sheet plants purchased from Celanese .R	Jan	31	15
Continental BV formedR	Jan	10	46	Westinghouse Electric Co Anderson, S.C.,	1 401	-	00	Xerox Corp Full-color copies on un-			
Kellogg Continental see under name				plant to recycle spent fuels from nuclear				sensitized paper produced in new machine			
rickers Energy Corp New name for Swift's				power plantsR	Jan	3	16	unit	May	30	43
petroleum div	Jan	3	16	AEC authorizes use of previously classified							
/ietnam Fertilizer Industry Co. — Complex				data on uranium enrichmentN	Jan	17	14				
fertilizer granulation plant and facilities				Reverse-osmosis equipment could get							
for bagging imported urea	Feb	14	35	market lift from huge plant mapped by				V			
/illage Bath Products — Nonparaffin trans-				U.S	June	13	17				
parent candle based on polyamide resin	Jan	24	33	Westvaco Carbon: activated carbon plant							
firginia Chemicals — Sodium hydrosulfite-				to be built at Covington, Va., and expan-				Yong-Nam Chemical — Chungju wants to			
based proprietary chemicals plant in				sion of existing granular carbon installa-				sell shares	June	27	39
Chester County, S.C. slatedR	Mar	28	23	tionsR	Mar	28	23	Yoshitomi Pharmaceutical Industries -			
fistron — Nitrogen pricesN	Jan	10	23	Weyerhaeuser Corp. — Acquisition of Ameri-				Joint-venture pharmaceutical manu-			-
Piloting a maleic process using n-		0.7	**	can Can's pulp and paper millR	Apr	11	19	facturer	Apr	18	29
butyleneN	June	27	40	Agreement to buy some of Columbia							
omvix — Acrylic fiber plant	мау	2	23	Cellulose's operations falls through	Feb	21	18				
/ulcan-Cincinnati — Methyl Fuel: report on technique for burning methanol to generate				Base-point pricing under attackN	Mar	21	27	-			
electricity at the A.B. Paterson station of				N.Y. financial analysts hear '72 report, '73	F-1-	-	4.0				
New Orleans Public Service	Mar	14	37	outlook Whitehall Laboratories — Bisodol Plus: FDA	I-6D	7	16	_			
Venezuelan methanoi venture N		18	39		A		10	Zenith Laboratories - Ciba-Geigy files suit			
Vulcan Materials Co. — Chlorinated solvents	Apr	10	39	proposes ban Willamatte Industries — Base-point pricing	Apr	11	19	against ZL for infringement of its hydro-			
expansion at Wichita. Kan., and Geismar.				under attack	Max	20	0.7	chlorothiazide patent	June	20	16
La. plants	lan	17	18	Williams Companies — Agrico Chemical see	INSIN	21	27	Zimpro, Inc Possible bidder for technique	******		
Perchloroethylene pricesN		13	23	under name				for Navy to destroy outdated ammunition .N	Mar	21	41
Tin chemical prices rise		2	21	Witco Chemical — Acquires Aero Oil Com-				Zoecon Corp Marine antifouling agent		-	
		-	-	panies	lan	10	18	sought to interrupt development of young			
				Acquisition of Continental Oil's Bryton	Jan	10	10	barnaclesN	May	2	32
VA/				Chemicals plant at Trainer, PaR	May	23	24				
VV				Polybutylene plans: acquisition of PB Inc.:	renaty	23	24				
				sets up polymer division; building poly-							
Wah Seong Malayan Trading - Activated				butylene plant	Enh	7	17				
carbon joint venture											







